

US ARMY DEFENSE AMMUNITION CENTER

# Propellant Identification Manual

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# Introduction

*This manual was prepared to provide Army personnel who handle solid, nitrocellulose based propellants a means of recognizing and identifying specific types of propellant that are in storage at Army installations. This manual contains only propellant for conventional ammunition propellant that is nitrocellulose based; rocket and missile propellant (except nitrocellulose based rocket propellant such as M7, AHH, M28) are not included in this manual. Both Army and selected Navy propellant are included; the Navy propellant is only that which is commonly in storage at Army installations and is not inclusive of all propellant that the Navy uses or produces.*

*This manual is not intended as a substitution for chemical analysis for the identification of unknown propellant material but to assist in focusing chemical analyses more precisely by using unique physical characteristics to determine possible candidates.*

*Each propellant, to include all models in its series, is presented in its own section. For example, all models of M30 (M30A1, M30A2, M30E1) are in the M30 section. Each section contains:*

*Formulation: The propellant formulation was obtained from Propellant Description Sheets (PDS), Military Specifications, and the MIDAS Database. The manual provides the typical formulation for each propellant model. Each ingredient is listed as the percentage of that ingredient in the formulation. Where ingredients were added after the propellant was mixed, that is clearly noted. These formulations may vary slightly from lot to lot but on the average are within the percentages listed. In some cases, the propellant formulation had changed, specifically to eliminate heavy metals or other non-environmentally friendly materials without a change to the model. Where this has occurred, designations such as Composition 1, 2, etc. have been added for purposes of clarity. The assignment of a Composition number is unique to this manual and is not an official designation. To determine the specific composition used, refer to the PDS for that specific lot. Where a propellant model may be known by more than one designation (e.g. M38 and WC 819) the propellant is listed with the most common designation used with a reference to the other model name.*

*Shape: The shape(s) of the propellant is identified. Often a propellant model may have a number of shapes such as flake, single perforated cylinder, multi-perforated rod, etc.*

Color: The typical color of the propellant model is identified to include normal color changes that occur over time. For graphite coated materials, the interior color is identified.

Dimensions: The size and form of a propellant is based on the weapon system that it is used in. Dimensions of a propellant are provided by usage/caliber and were obtained from PDS's. Dimensions may vary slightly from lot to lot but are within the dimensions listed.

Photographs: Photographs are provided of every type, size and color of propellant that could be obtained. Care was taken to depict the propellant as exact size unless otherwise noted. For extremely small propellant grains, the actual size as well as a close-up to show detail is provided. For graphite coated materials, photographs of the interior of a split grain are provided. Where there are notable color changes that occur due to age of the propellant, photographs are provided of the typical color changes.

Appendix A contains information on the models of Navy propellant and how to decipher Navy lot numbers. This was included as the Navy nomenclature and lot number system differs dramatically from that of the Army.

Appendix B contains a cross reference of ammunition items to the propellant(s) in that item sorted by National Stock Number (NSN). An ammunition item may contain more than one propellant type (e.g. main charge, ignition cartridge, expelling charge) and while this section will provide all propellant types loaded into an item, it does not identify the quantity of propellant or what the propellant is specifically used for in that item. For these details, refer to the MIDAS database which can provide a breakout.

Appendix C contains a cross reference of ammunition items to the propellants in that item sorted by DODIC.

# M1

## FORMULATION :

---

There are three M1 formulations. Refer to the Propellant Description Sheet to determine exactly which formulation was used for a specific lot.

### Composition 1:

Nitrocellulose	85.00 +/- 2.00
Dinitrotoluene	10.00 +/- 2.00
Dibutyl Phthalate	5.00 +/- 1.00
Diphenylamine	1.00 +/- 0.10 added
Lead carbonate	1.00 +/- 0.30 added

### Composition 2:

Nitrocellulose	85.00 +/- 2.00
Dinitrotoluene	10.00 +/- 2.00
Dibutyl Phthalate	5.00 +/- 1.00
Diphenylamine	1.00 +/- 0.10 added
Residual Solvent:	0.9 max
Moisture:	0.6 +/- 0.2

### Composition 3:

Nitrocellulose	85.00 +/- 2.00
Dinitrotoluene	10.00 +/- 2.00
Dibutyl Phthalate	5.00 +/- 1.00
Diphenylamine	1.00 +/- 0.10 added
Potassium sulfate	1.00 +/- 0.30 added

S H A P E

---

Single or multi-perforated cylinder.

C O L O R

---

Exterior: This propellant changes color as it ages and can vary from yellow, light green, medium green, dark green, to black green.

Interior: Same as exterior

D I M E N S I O N S

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Web Inner (in)	Web Outer (in)	Avg. Web (in)	Form
37MM	0.254	0.088	0.014	-	-	0.0345	1 perf. cylinder
40MM	0.049	0.046	0.011	-	-	-	1 perf. cylinder
40MM	0.3119	0.1365	0.0148	0.0222	0.0236	0.0229	7 perf. cylinder
75MM	0.2852	0.0561	0.0177			0.0177	1 perf. cylinder
76MM	0.85	0.454	0.052	0.073	0.076	0.0745	7 perf. cylinder
76MM	0.524	0.328	0.028	0.072	0.05	0.061	7 perf. cylinder
90MM	0.667	0.383	0.037	0.072	0.064	0.068	7 perf. cylinder
90MM	1.336	0.685	0.072	0.112	0.1125	0.1173	7 perf. cylinder
90MM	0.2646	0.0556	0.0192	-	-	0.0182	1 perf. cylinder
105MM	0.25	0.065	0.03	-	-	0.143	1 perf. cylinder
105MM	0.205	0.065	0.031	-	-	0.0128	1 perf. cylinder
105MM (M67)	0.322	0.186	0.018	0.028	0.028	0.028	7 perf. cylinder
105MM	0.33	0.207	0.022	0.038	0.0315	0.0353	7 perf. cylinder
155MM	0.2747	0.489	0.0187	-	-	0.0152	1 perf. cylinder
155MM	0.23	0.073	0.031	-	-	0.0173	1 perf. cylinder
155MM	0.78	0.45	0.044	0.0835	0.0755	0.0795	7 perf. cylinder
155MM	0.725	0.425	0.037	0.081	0.076	0.0785	7 perf. cylinder
155MM	0.48	0.267	0.027	0.053	0.04	0.0465	7 perf. cylinder
155MM	0.4108	0.1763	0.0158	0.032	0.0324	0.0322	7 perf. cylinder
8-INH	0.537	0.324	0.028	0.065	0.055	0.06	7 perf. cylinder
8-INH	0.573	0.331	0.031	0.054	0.046	0.05	7 perf. cylinder
8-INH	0.2168	0.0516	0.0175	-	-	0.0169	1 perf. cylinder



*M1 Single Perforated Propellant for Various Weapon Systems:*



*Note: Photos show the color changes that typically occur in M1 propellant as it ages. Upper left shows a newly manufactured M1 propellant; the propellant dulls and darkens with age. The lower right, an M1 propellant in excess of 30 years old. Color is an indication of age, not stability. Only a chemical analysis can determine the stability of any propellant.*

*M1 Multi-Perforated Propellant for 105mm (M67 propelling charge):*



*M1 Multi-Perforated Propellant for 155mm:*



*Note: Photos show the color changes that typically occur in M1 propellant as it ages. Far left, newly manufactured M1 propellant. Far right shows M1 in excess of 25 years old. This change occurs regardless of grain size and can be seen in M1 propellant for any weapon system. Color is an indication of age, not stability. Only a chemical analysis can determine the stability of any propellant.*

*M1 Multi-Perforated Propellant for 90mm:*



*M1 Multi-Perforated Propellant for 105mm (except M67):*



*M1 Multi-perforated for 8 Inch:*



# M2

## FORMULATION :

---

Nitrocellulose	77.45 +/- 2.00
Nitroglycerin	19.50 +/- 1.00
Barium Nitrate	1.40 +/- 0.20
Potassium Nitrate	0.75 +/- 0.25
Ethyl Centralite	0.60 +/- 0.15
Graphite	0.30 +/- 0.10

## SHAPE

---

Single or multi-perforated cylinder.

## COLOR

---

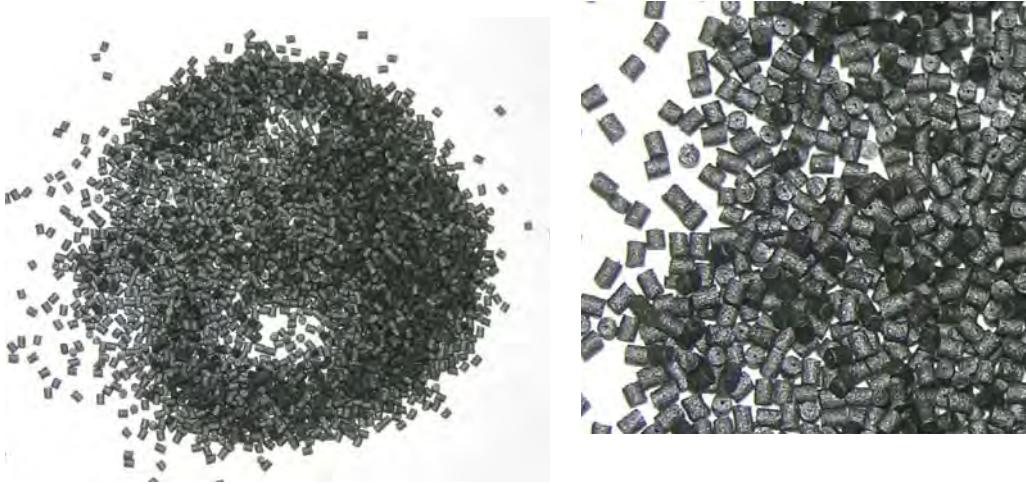
Exterior: Dark gray, shiny or matte depending on type of graphite coating.  
Interior: Single perforated: gray. Multi-perforated: gray, cream

## DIMENSIONS

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Web Inner (in)	Web Outer (in)	Avg. Web (in)	Form
40MM	0.049	0.046	0.011	-	-	-	1 perf. cylinder
76MM	0.85	0.454	0.052	0.073	0.076	0.0745	7 perf. cylinder
90MM	1.336	0.685	0.072	0.112	0.1125	0.1173	7 perf. cylinder
165MM	0.48	0.251	0.024	0.0357	0.0372	0.0365	7 perf. cylinder

*M2 Single-Perforated Propellant for 40MM:*



*Actual size on left; close-up on right*

*M2 Multi-Perforated Propellant for 76mm:*



*Top view of grain (far left) and interior of a split grain (far right)*

*M2 Multi-Perforated Propellant for 90MM*



*Top view of grain (far left) and interior of a split grain (far right)*

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# M5

## FORMULATION :

---

Nitrocellulose	81.95 +/- 2.00
Nitroglycerin	15.00 +/- 1.00
Barium Nitrate	1.40 +/- 0.20
Potassium Nitrate	0.75 +/- 0.25
Ethyl Centralite	0.60 +/- 0.15
Graphite	0.30 +/- 0.10

## SHAPE

---

Single perforated cylinder or flake

## COLOR

---

Exterior: Flake: Dark gray. Single-perforated: Gray, shiny

## DIMENSIONS

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Web Inner (in)	Web Outer (in)	Avg. Web (in)	Form
spec. app.	0.0027	0.035	-	-	-	-	flake
90MM	0.48	0.048	0.015	-	-	-	1 perf. cylinder

*M5 Flake Propellant for Special Application:*



*Actual size on left; close-up on right*

*M5 Single-Perforated Propellant for 90mm:*



# M6

## FORMULATION :

---

Nitrocellulose	87.00 +/- 2.00
Dinitrotoluene	10.00 +/- 2.00
Dibutyl Phthalate	3.00 +/- 1.00
Diphenylamine	1.00 +/- 0.20/0.10 added
Potassium sulfate	1.00 +/- 0.30 added

## SHAPE

---

Multi-perforated cylinder

## COLOR

---

Exterior: Yellow, light green, medium green, dark green, black green, bright blue (M119A2). Interior: Yellow to black green grains: Same as exterior. Bright blue grains: Green

## DIMENSIONS

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Web Inner (in)	Web Outer (in)	Avg. Web (in)	Form
75MM	0.424	0.256	0.018	0.0525	0.0485	0.0505	cylinder
76MM	0.568	0.32	0.028	0.065	0.053	0.059	cylinder
90MM	0.667	0.394	0.037	0.072	0.0695	0.0708	cylinder
120MM	0.929	0.544	0.047	0.104	0.0975	0.1008	cylinder
155MM	0.732	0.3142	0.0293	0.0548	0.0584	0.0566	cylinder
240MM	0.9287	0.3989	0.0388	0.0699	0.0722	0.0711	cylinder
280MM	0.9567	0.402	0.0386	0.0722	0.0709	0.0716	cylinder

*M6 Propellant for 40mm:*



*M6 Propellant for 75mm:*



*M6 Propellant for 76MM:*



*M6 Propellant for 90MM:*



*M6 Propellant for 155MM:*



*Photo depicts typical color changes noted with M6 propellant over time (newest to oldest, left to right). Top of grain is shown on far right. Color is an indication of age, not stability. Only a chemical analysis can determine the stability of any propellant.*

*M6 Propellant for 155mm (M119A2)*



*Photo depicts the bright blue color change that commonly occurs in the M6 propellant in the M119A2 propelling charges stored in Southwest Asia. This phenomenon has only been seen in M6 propellant in M119A2 propelling charge "Y" lots. This appears to be a surface phenomenon as when the grain is split (right) the normal green color of the propellant is present. The color change has no correlation to diminished stability.*

*M6 Propellant for 175MM:*



*M6 Propellant for 240MM:*



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# M6+2

## FORMULATION :

---

Nitrocellulose	87.00 +/- 2.00
Dinitrotoluene	10.00 +/- 2.00
Dibutyl Phthalate	3.00 +/- 1.00
Diphenylamine	1.00 +/- 0.20 added
Potassium sulfate	2.00 +/- 0.30 added

## SHAPE

---

Multi-perforated cylinder

## COLOR

---

Exterior: Yellow, light green, medium green, dark green.

Interior: Same as exterior.

## DIMENSIONS

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Web Inner (in)	Web Outer (in)	Avg. Web (in)	Form
76MM	0.568	0.32	0.028	0.065	0.053	0.059	cylinder
5-INH, 54 CAL	0.929	0.64	0.062	0.116	0.111	0.114	cylinder

*M6+2 Propellant for 76MM:*



*M6+2 Propellant for 5"/54:*



# M7

## FORMULATION :

---

There are two M7 formulations. Refer to Appendix B or C to determine which formulation is used in a specific ammunition item.

### Type I:

Nitrocellulose 54.60  
Nitroglycerin 35.50  
Potassium Perchlorate 8.05 max.  
Carbon black 1.20  
Ethyl Centralite 0.80 min.

### Type II:

Nitrocellulose 58.70 +/- 1.50  
Nitroglycerin 32.00 +/- 1.00  
Potassium Perchlorate 8.05 max.  
Carbon black 0.60 min.  
Ethyl Centralite 0.80 min.

## SHAPE

---

Single perforated stick

## COLOR

---

Exterior and Interior: Black

## DIMENSIONS

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Avg. Web (in)
TOW, M114	13.73	0.778	0.362	0.208
Rocket Motor, M180	7.38	0.576	0.244	0.166

*M7 Propellant Stick:*



*While photo does show this propellant actual size, it does not show entire stick length which can vary from 7 – 14 inches.*



*Top view of M7 sticks depicting large single perforation*

# M8

## FORMULATION :

---

Nitrocellulose	52.15 +/- 1.50
Nitroglycerin	43.00 +/- 1.50
Potassium Nitrate	1.25 +/- 0.25
Diethyl phthalate	3.00 +/- 0.50
Ethyl Centralite	0.60 +/- 0.15

## SHAPE

---

Increment Sheet

## COLOR

---

Yellow to orange. Black in a limited number of 4.2 inch increments.

## DIMENSIONS

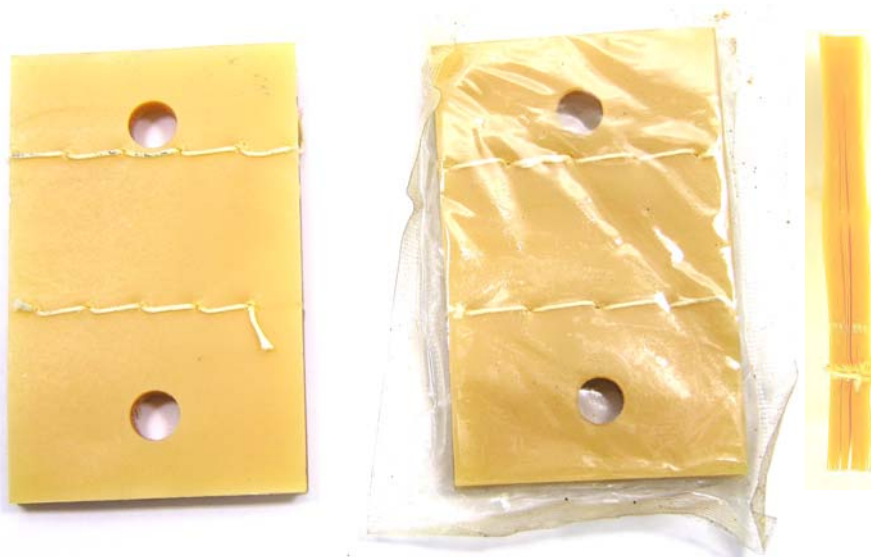
---

Usage	Length (Inches)	Width (Inches)	Perforations	Perf Size (Inches)	Sheet Thickness
60MM	1	1	2 (top and bottom)	0.25	0.004
81MM	1.44	2.25	1 (center)	0.25	0.008
4.2 Inch	2.75	2.75	1 (center)	1.35	0.025

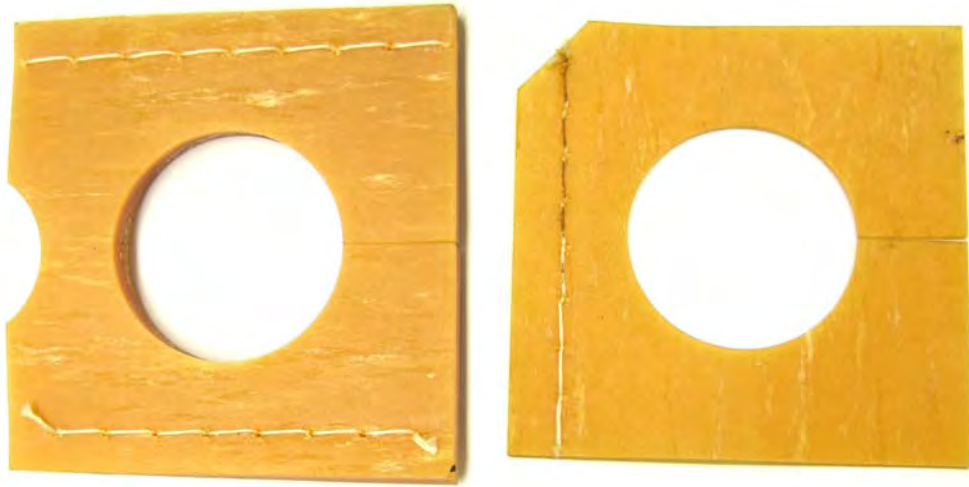
*M8 propellant Increment for 60MM (with and without plastic covering):*



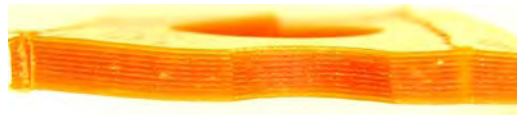
*M8 Propellant Increment for 81MM (with and without plastic covering) with a side view of the increment on the far right.:*



*M8 Propellant Increments for 4.2”:*



*Photos depict the multi-sheet bundle (left) and a 2-sheet bundle (right)*



*Side view of multi-sheet bundle*

M8 PROPELLANT (BLACK)

---

Though rare, M8 propellant containing carbon black was produced. The increment is translucent dark gray to black in color.





# M9

## FORMULATION :

---

Nitrocellulose	57.75 +/- 1.50
Nitroglycerin	40.00 +/- 1.50
Potassium Nitrate	1.50 +/- 0.25
Diethyl phthalate	3.00 +/- 0.50
Ethyl Centralite	0.75 +/- 0.10
Graphite	0.40 max.

## SHAPE

---

Flake

## COLOR

---

Black, gray, cream to pale yellow

## DIMENSIONS

---

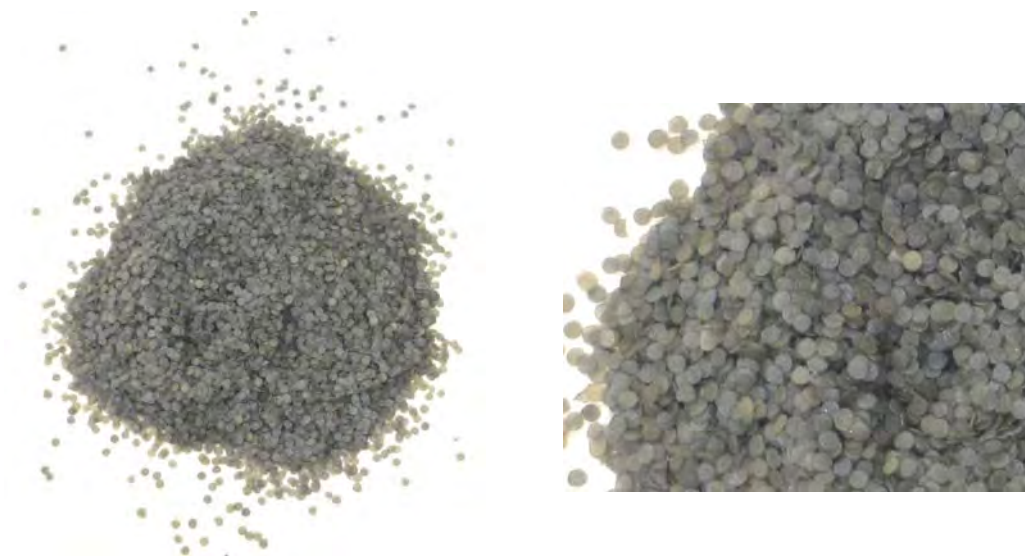
Usage	Length (in)	Diameter (in)	Diameter (in)	Inner (in)	Outer (in)	Average (in)
40MM	0.0033	0.035	n/a	n/a	n/a	n/a
60MM & 4.2INM	0.007	0.064	n/a	n/a	n/a	n/a
81MMM	0.01	0.07	n/a	n/a	n/a	n/a

*M9 Flake Propellant for 40MM:*



*Actual size on left; close-up on right*

*M9 Flake Propellant for 60MM and 4.2”:*



*Actual size on left; close-up on right*

*M9 Flake Propellant for 81MM:*



*Actual size on left; close-up on right*

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# M10

## FORMULATION :

---

Nitrocellulose	98.00 +/- 1.50
Diphenylamine	1.00 +/- 0.30
Potassium sulfate	1.00 +/- 0.30

## SHAPE

---

Flake, single-perforated cylinder, multi-perforated cylinder. Flake can be graphite coated or uncoated. Cylinders are all graphite coated.

## COLOR

---

Flake: Gray, brownish green.

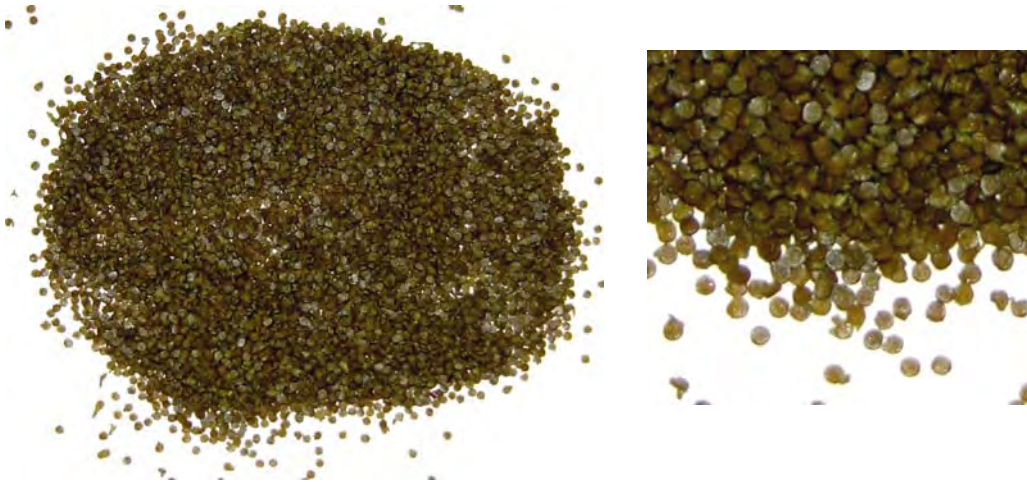
Cylinders: Exterior: Gray (shiny); Interior: medium to dark green

## DIMENSIONS

---

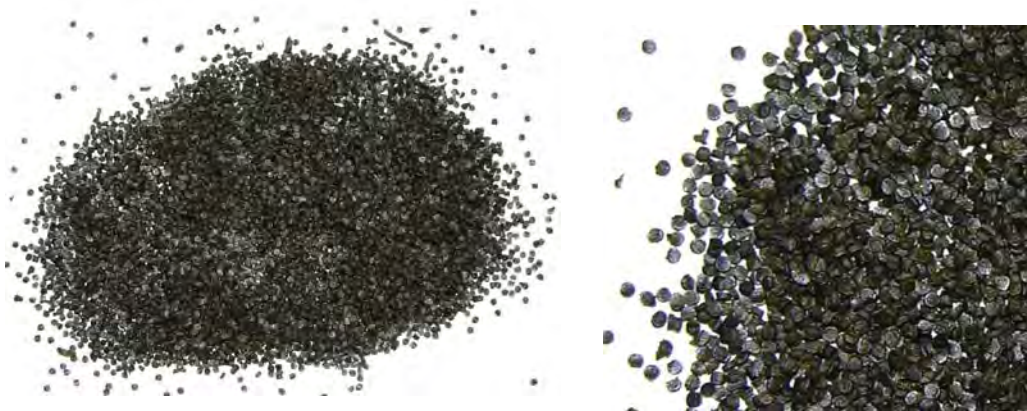
Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Form
60MM	0.0090	0.0650	n/a	n/a	n/a	n/a	0	flake
spec. application	0.0110	0.0350	n/a	n/a	n/a	n/a	0	flake
57MM	0.1625	0.0800	0.0300	-	-	0.0173	1	cylinder
75MM or 105MM	0.4800	0.2900	0.0290	0.0560	0.0455	0.0507	7	cylinder

*M10 Flake Propellant for Special Application:*



*Actual size on left; close-up on right*

*M10 Flake Propellant for 60MM:*



*Actual size on left; close-up on right*

*M10 Single-Perforated Propellant for 57MM:*



*M10 Multi-Perforated Propellant for 75MM:*



*Green interior of split grain showing green interior and top of grain shown to the right.*

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# M14

## FORMULATION :

---

Nitrocellulose	90.00 +/- 2.00
Dinitrotoluene	8.00 +/- 2.00
Dibutyl Phthalate	2.00 +/- 1.00
Diphenylamine	1.00 +/- 0.10 added
Graphite	0.30 added

## SHAPE

---

Multi-perforated Cylinder

## COLOR

---

M14 can be graphite coated; glazed, or uncoated.

Graphite Coated: Exterior: gray, shiny; Interior: green. Glazed: Exterior: greenish black; Interior green. Uncoated: Exterior: light to dark green; Interior: same as exterior

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs
105MM	0.5960	0.3870	0.0280	0.0740	0.0780	0.076	7
120MM	0.4330	0.2125	0.0150	-	-	0.0390	7
120MM	0.5500	0.3700	0.0280	-	-	0.0490	7

*M14 Propellant (uncoated) for 120MM:*



*M14 Propellant (glazed) for 105MM:*



*Top of grain shown on left; split grain showing green interior on right*

*M14 Propellant (graphite coated) for 105MM:*



*Top of grain shown on left; split grain showing green interior on right*

*M14 Propellant (graphite coated) for 120MM:*



*Top of grain shown on left; split grain showing green interior shown on right*

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# M15

## FORMULATION :

---

Nitrocellulose	22.00 +/- 0.75
Nitroglycerin	19.00 +/- 0.75
Nitroguanidine	54.70 +/- 1.00
Ethyl Centralite	6.00 +/- 0.30

## SHAPE

---

Single or Multi-perforated Cylinder

## COLOR

---

Exterior: Cream, light tan, pale yellow.

Interior: Same as exterior.

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs
76MM	0.7050	0.3440	0.0340	0.0605	0.0605	0.0605	7
90MM	0.6500	0.3120	0.0320	0.0540	0.0540	0.0540	7
90MM	0.7450	0.3350	0.0320	0.0630	0.5650	0.5970	7
120MM	0.4000	0.0955	0.0220	-	-	0.3680	1

*M15 Single-Perforated Propellant for 120MM:*



*Yellow grains in photo are typically seen as the propellant ages.*

*M15 Multi-Perforated Grain for 90MM:*



*Top of grain shown on right*

# M17

## FORMULATION :

---

Nitrocellulose	22.00 +/- 0.75
Nitroglycerin	21.5 +/- 0.75
Nitroguanidine	54.70 +/- 1.00
Ethyl Centralite	1.50 +/- 0.10
Cryolite	0.30 +/- 0.10
Graphite	0.10 max.

## SHAPE

---

Multi-perforated Cylinder

## COLOR

---

Exterior: Matte, dark gray. Interior: Cream, light tan

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs
76MM	0.7530	0.3710	0.0370	0.0660	0.0640	0.0650	7
90MM	0.7530	0.3710	0.0370	0.0660	0.0640	0.0650	7
90MM	1.2770	0.6850	0.0720	0.1120	0.1225	0.1173	7
120MM	1.5400	0.7120	0.0710	0.1280	0.1220	0.1250	1

*M17 Propellant for 76MM:*



*Top of grain shown left; split grain showing interior on right*

*M17 Propellant for 90MM:*



*Top of grain shown left; split grain showing interior on right*



# M26

## FORMULATION :

---

There are two formulations in the M26 series. Please refer to Appendix B or C to determine which formulation is used in a specific ammunition item.

### M26

Nitrocellulose	67.25 +/- 1.80
Nitroglycerin	25.00 +/- 1.00
Ethyl Centralite	6.00 +/- 0.50
Barium nitrate	0.75 +/- 0.20
Potassium Nitrate	0.70 +/- 0.25
Graphite	0.30 +/- 0.10

### M26A1 (M26E1):

Nitrocellulose	68.70 +/- 1.80
Nitroglycerin	25.00 +/- 1.00
Ethyl Centralite	6.00 +/- 0.50
Graphite	0.30 +/- 0.10
Graphite glaze	0.15 max.

S H A P E

---

Multi-perforated Cylinder

C O L O R

---

Exterior: Shiny, dark gray. Interior: gray

D I M E N S I O N S

---

<b>Usage</b>	<b>Length (in)</b>	<b>Diameter (in)</b>	<b>Perf Diameter (in)</b>	<b>Inner (in)</b>	<b>Web Outer (in)</b>	<b>Average (in)</b>	<b># of Perfs</b>
106MM	0.5180	0.2660	0.0260	0.0475	0.0465	0.0470	7
152MM	0.4441	0.1989	0.0178	0.0367	0.0364	0.0365	7

M 2 6 P R O P E L L A N T

---

*M26 Propellant for 106MM:*



*Top of grain shown left; split grain showing gray interior on right*

M 2 6 A 1 ( M 2 6 E 1 ) P R O P E L L A N T

---

*M26A1 (M26E1) Propellant Grain for 152MM:*



*Top of grain shown left; split grain showing gray interior on right*

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# M28

## FORMULATION :

---

Nitrocellulose	60.0
Nitroglycerin	23.0
Triacetin	9.90
Dimethyl phthalate	2.60
Lead Stearate	2.00
2-NDPA	1.7

## SHAPE

---

Cast grain

## COLOR

---

Orange

## M28 PROPELLANT

---

*M28 after Lathing of a Cast Grain*



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# M30

## FORMULATION :

---

There are four formulations in the M30 series. Refer to Appendix B or C to determine which formulation is used in a specific ammunition item.

### M30:

Nitrocellulose	28.00 +/- 1.30
Nitroglycerin	22.5 +/- 1.00
Nitroguanidine	47.70 +/- 1.00
Ethyl Centralite	1.50 +/- 0.10
Cryolite	0.30 +/- 0.10

### M30A1:

Nitrocellulose	28.00 +/- 1.30
Nitroglycerin	22.5 +/- 1.00
Nitroguanidine	47.00 +/- 1.00
Ethyl Centralite	1.50 +/- 0.10
Potassium sulfate	1.00 +/- 0.30
Graphite glaze	0.15 added

### M30A2:

Nitrocellulose	27.00 +/- 1.30
Nitroglycerin	22.5 +/- 1.00
Nitroguanidine	46.25 +/- 1.00
Ethyl Centralite	1.50 +/- 0.10
Potassium nitrate	2.75 +/- 0.25
Graphite glaze	0.15 max.

FORMULATION (CONT'D)

---

M30E1:

Nitrocellulose	40.5
Nitroglycerin	32.7 nom.
Nitroguanidine	25.0 nom.
Ethyl Centralite	1.50 nom.
Cryolite	0.30 nom.

SHAPE

---

7 perforated cylinder; 19 perforated hexagonal

COLOR

---

M30 (7 perforated cylinder): Exterior: dark gray (graphite coated); Interior: cream  
 M30 (19 perf. hexagonal): Exterior: dark gray (graphite coated); Interior: light gray)  
 M30A1: Exterior: dark gray (graphite coated); Interior: cream  
 M30A2: Exterior: dark gray (graphite coated); Interior: cream  
 M30E1: Exterior: Cream; Interior: same as exterior

DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
90MM	0.689	0.333	0.038	0.0545	0.055	0.0548	7	cylinder
105MM	0.4950	0.4000	0.0200	0.0500	0.0500	0.0500	19	hex
105MM	0.5700	0.3090	0.0250	0.0605	0.0565	0.0585	7	cylinder
105MM	0.6240	0.3380	0.0250	0.0680	0.0635	0.0658	7	cylinder
105MM	0.6450	0.3530	0.0270	0.0690	0.0670	0.0680	7	cylinder
105MM	0.7910	0.3640	0.0420	0.0630	0.0560	0.0595	7	cylinder
155MM	0.9150	0.4620	0.0380	0.0930	0.0870	0.0900	7	cylinder
8-INCH	1.118	0.558	0.051	0.107	0.0955	0.1013	7	cylinder



*M30 Propellant for 90MM:*



*Top of grain shown left; split grain showing interior on right*

*M30 Propellant for 105MM (7 perforated cylinder):*



*Top of grain shown left; split grain showing interior on right*

*M30 for 105MM (19 perforated hexagonal):*



*Top of grain shown left; split grain showing interior on right*

*M30 Propellant for 155MM:*



*Top of grain shown left; split grain showing interior on right*

M 3 0 A 1 P R O P E L L A N T

---

*M30A1 Propellant for 155MM:*



*Top of grain shown left; split grain showing interior on right*

M 3 0 A 2 P R O P E L L A N T

---

*M30A2 Propellant for 155MM:*



*Top of grain shown left; split grain showing interior on right*

M30A2 PROPELLANT (CONT'D)

---

*M30A2 Propellant for 8-Inch:*



Top of grain shown left; split grain showing interior on right

M30E1 PROPELLANT

---

*M30E1 Propellant for 155MM:*



# M31

## FORMULATION:

---

There are three formulations in the M31 series. Refer to Appendix B or C to determine which formulation is used in a specific ammunition item.

### M31:

Nitrocellulose	20.00 +/- 1.30
Nitroglycerin	19.00 +/- 1.00
Nitroguanidine	54.70 +/- 1.00
Dibutyl phthalate	1.50 +/- 0.10
2-nitrodiphenylamine	1.50 +/-
Cryolite	0.30 +/- 0.10

### M31A1:

Nitrocellulose	20.00 +/- 1.30
Nitroglycerin	19.00 +/- 1.00
Nitroguanidine	54.00 +/- 1.00
Dibutyl phthalate	4.50 +/- 0.30
2-nitrodiphenylamine	1.50 +/- 0.30
Potassium sulfate	0.30 +/- 0.10

### M31A1E1:

Nitrocellulose	21.50 +/- 1.30
Nitroglycerin	18.00 +/- 1.00
Nitroguanidine	54.70 +/- 1.00
Dibutyl phthalate	3.00 +/- 0.30
Ethyl Centralite	1.50 +/- 0.30
Potassium sulfate	1.25 +/- 0.25
Carbon black	0.05 +/- 0.05

S H A P E

---

Single or multi-perforated cylinder; single perforated stick

C O L O R

---

Exterior: M31, M31A1, and M31A1E1 multi-perforated cylinder: Dark gray (graphite coated); M31 single perforated cylinder: brownish gray, graphite coated. M31A1E1 Stick: Light gray

Interior: M31: orange; M31A1 orange; M31A1E1 grain: Gray; M31A1E1 Stick: same as exterior.

Note: The 2NDPA stabilizer in the M31 and M31A1 models will stain contact material yellow within several minutes. This is a normal occurrence and does not effect the overall stability of the propellant or the safe handling of the propellant.

D I M E N S I O N S

---

Prop Model	Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
M31	120MM	0.3537	0.0845	0.0263	0.0291	0.0291	0.0291	1	cylinder
M31A1E1	155MM	29.0000	0.2500	0.0860	-	-	0.0820	1	stick
M31A1E1	155MM	0.645	0.276	0.029	0.046	0.048	0.047	7	cylinder
M31/M31A1	8-INH	0.7080	0.3380	0.0270	0.0660	0.0635	0.0648	7	cylinder

*M31 Single-Perforated Propellant for 120MM:*



*M31 Multi-Perforated Propellant for 155MM:*



*Top of grain shown left; split grain showing interior on right*



M 3 1 A 1 P R O P E L L A N T

---

*M31A1 Propellant for 8-Inch:*



*Top of grain shown left; split grain showing interior on right*

M 3 1 A 1 E 1 P R O P E L L A N T

---

*M31A1E1 Stick Propellant for 155MM:*



*While photo does show this propellant actual size, it does not show entire stick length which is 29 inches.*



*M31A1E1 Multi-Perforated Cylinder for 155MM:*



*Top of grain shown left; split grain showing interior on right*

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# M38

Note: M38 Propellant is also known as WC819 Propellant.

## FORMULATION :

---

Nitrocellulose	remainder
Nitroglycerin	2.0 max.
Dinitrotoluene	1.0 max.
Dibutyl Phthalate	0.5 max.
Sodium sulfate	0.50 max.
Diphenylamine	0.75 – 1.50
Calcium carbonate	0.25 max.

## SHAPE

---

Flattened rounds

## COLOR

---

Graphite coated, dark gray, shiny

## DIMENSIONS

---

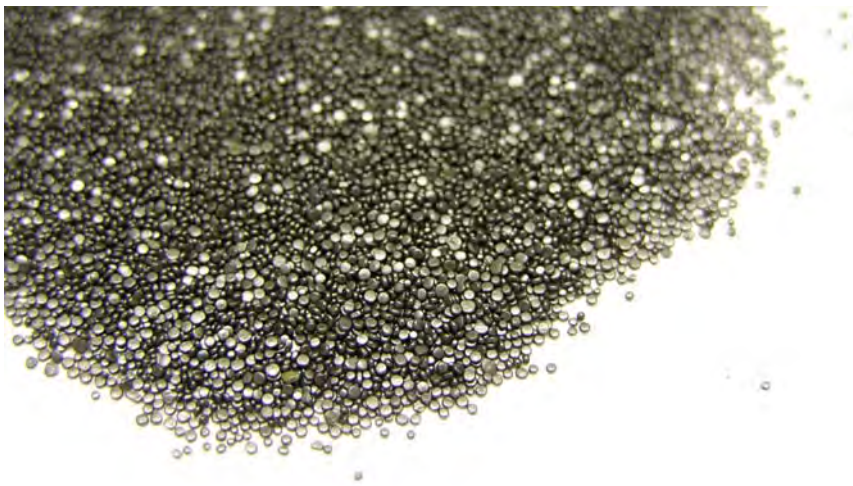
Due to the small size of ball powders such as M38, the physical dimensions of the propellant are measured only by their ability to pass through specific size sieves.

100% will pass through a U.S. Sieve #20

*M38 Propellant for M218 and M219 Propelling Charge:*



*M38 propellant show actual size*



*Close-up of M38 Propellant shown above.*

# M44

## FORMULATION :

---

Nitrocellulose	52.00 +/- 2.00
Nitroglycerin	44.00 +/- 1.50
Ethyl Centralite	2.00 +/- 0.30
Diethyl phthalate	2.00 +/- 1.00
Carbon Black	0.20 +/- 0.10 added
Candelilla Wax	0.10 +/- 0.10 added

## SHAPE

---

Single-perforated stick

## COLOR

---

Black

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
120MM	6.4	0.1122	0.03543	-	-	0.0385	1	cylinder

*M44 Propellant for 120MM Mortar:*



*While photo does show this propellant actual size, it does not show entire stick length of 6.4 inches.*

# M45

## FORMULATION :

---

Nitrocellulose	86.00 +/- 1.50
Nitroglycerin	10.00 +/- 2.00
Ethyl Centralite	3.00 +/- 0.40
Potassium sulfate	0.60 +/- 0.30
Graphite glaze	0.40 +/- 0.20

## SHAPE

---

Single-perforated cylinder

## COLOR

---

Gray

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
120MM	0.43	0.066	0.0098	-	-	0.0287	1	cylinder

*M45 Propellant for M230 Propelling charge:*



*M45 Propellant shown actual size above*



*Close-up of M45 Propellant. Note the light and dark color gray cylinders present.*



# M47

## FORMULATION :

---

Nitrocellulose	82.00
Nitroglycerin	10.00
Dibutyl Phthalate	4.0
Diphenylamine	1.00
Potassium sulfate	2.0
Potassium nitrate	1.0
Graphite	0.4 added

## SHAPE

---

Small round, flattened pellets. Pellets are not uniform in size.

## COLOR

---

Graphite Coated: Shiny dark gray

## DIMENSIONS

---

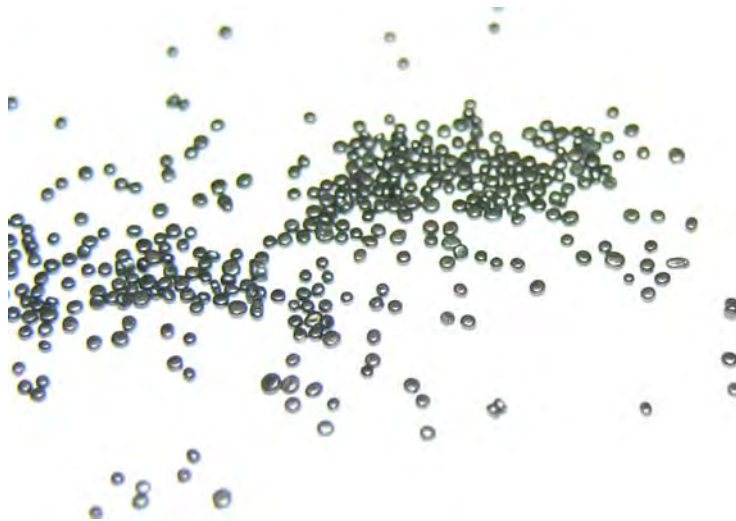
This type of propellant is measured by sieve size only:

95% of this propellant will pass through a U.S. No. 20 Sieve.

*M47 Propellant for 120MM Mortar:*



*M47 propellant shown actual size above.*



*Close-up of M47 propellant. Note the different size pellets.*

# AHH

## FORMULATION :

---

Nitrocellulose	53.9 min.
Triacetin	8.8 nom.
2-NDPA	0.90 min.
Lead Salicylate	1.2 nom.
Lead 2-Ethyl Hexoate	2.0 nom.

## SHAPE

---

Cast grain

## COLOR

---

Orange

## AHH PROPELLANT

---

*AHH after Lathing of a Cast Grain*



*AHH, Cast Pie Section:*



*Not shown actual size*

# Ball

## FORMULATIONS:

---

There are two ball powder formulations:

### Composition 1:

Nitrocellulose	92.95
Nitroglycerin	3.00
Dibutylphthalate	1.25
Diphenylamine	1.00
Calcium Carbonate	1.00
Sodium sulfate	0.05
Graphite Glaze	0.30

### Composition 2:

Nitrocellulose	75.69
Nitroglycerin	17.00
Deterrent	4.0
Diphenylamine	1.13
Dinitrotoluene	1.00
Potassium salt	0.63
Graphite	0.55

## SHAPE

---

Ball, flattened spheres

## COLOR

---

Gray, black

D I M E N S I O N S

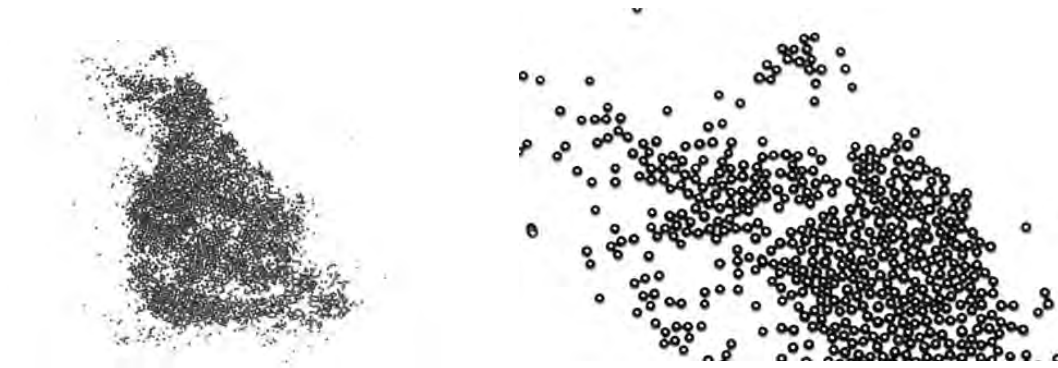
---

95% of this propellant will pass through a No. 20 US Sieve.

B A L L P R O P E L L A N T

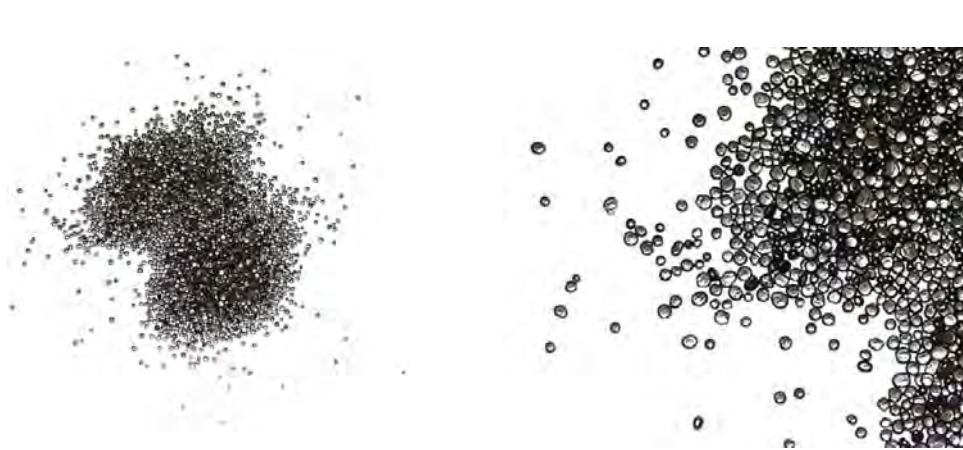
---

*Ball propellant (round):*



*Shown actual size on left; close-up on right*

*Ball propellant (flattened spheres):*



*Shown actual size on left; close-up on right*

# Benite

## FORMULATION :

---

Nitrocellulose	40.0 +/- 1.00
Potassium Nitrate	44.30 +/- 1.0
Sulfur	6.30 +/- 0.03
Charcoal	9.40 +/- 0.03
Ethyl Centralite	0.5 +/- 0.01 added

## SHAPE

---

Solid strands

## COLOR

---

Black

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Shape
Electric Primer	8.25	0.08	strands
Electric Primer	14	0.08	strands
Electric Primer	17	0.08	strands
155MMH	21.75	0.08	strands
Electric Primer	23.75	0.08	strands

BENITE PROPELLANT

---

*Benite Strands:*



*Shown actual size. Length may vary from 8.25 to 23.75 inches*



# CBI

## CLEAN BURNING IGNITOR (CBI)

### FORMULATION :

---

Nitrocellulose	98.0 min.
Diphenylamine	1.50 +/- 1.0
Potassium Nitrate	0.1max.
Graphite glaze	0.2 added

### SHAPE

---

Single perforated flake

### COLOR

---

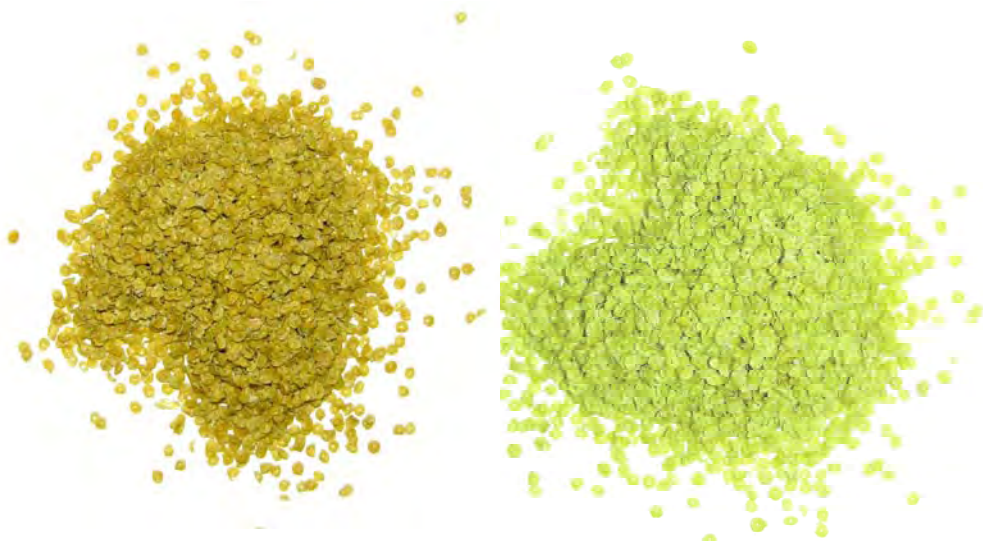
Yellow, green, blue

### DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
155MM	0.0040	0.0800	0.0180	n/a	n/a	n/a	1	flake
Igniter Charge	0.0040	0.0550	0.0100	n/a	n/a	n/a	1	flake

*CBI Flake:*

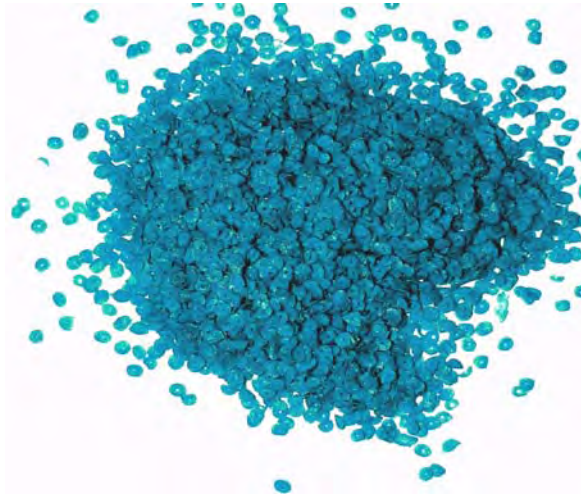


*Photos depict the color variation normally seen with CBI Flake Propellant*

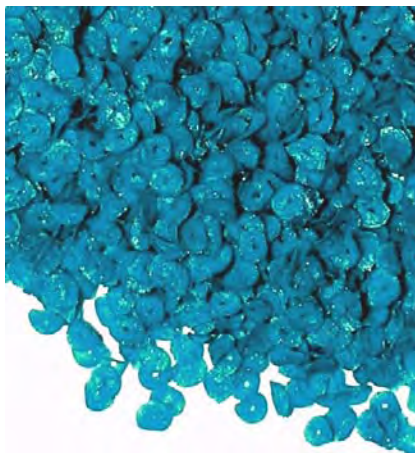


C L O S E - U P O F C B I F L A K E

*Blue Colored CBI Flake: A blue color change has been observed in the CBI igniter propellant in the M119A2 propelling charges stored in Southwest Asia. This phenomenon has only been seen in the M119A2 propelling charge "Y" lots. The color change has no correlation to diminished stability.*



*Actual size*



*Close-up of Blue CBI*

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# DIGL

NOTE: Propellant is referred to as both DIGL and DIGL-RP

## FORMULATION :

---

Nitrocellulose	65.20 +/- 2.00
DEDGN	36.70 +/- 1.50
Ethyl Centralite	0.25 +/- 0.25
Akardite	0.45 +/- 0.25
Magnesium Oxide	0.03 +/- 0.02
Graphite	0.03 +/- 0.02
Graphite glaze	0.25 max.

## SHAPE

---

Single perforated cylinder, single perforated stick, formed part

## COLOR

---

Brownish green, dark green, green-black, silver (graphite coated cylinders)

## DIMENSIONS

---

Usage	Length (in)	Dia. (in)	Perf Dia. (in)	Web Inner (in)	Web Outer (in)	Avg. Web (in)	Form
120MM	13.9800	0.2480	0.0830	-	-	0.0860	1 perf. stick
120MM	3.5000	0.2480	0.0830	-	-	0.0860	1 perf. stick
120MM	0.3210	0.2480	0.0830	-	-	0.0830	1 perf. cylinder
120MM	3.0000	1.0000	-	-	-	-	formed part

*DIGL 3.5 inch Stick for 120MM:*

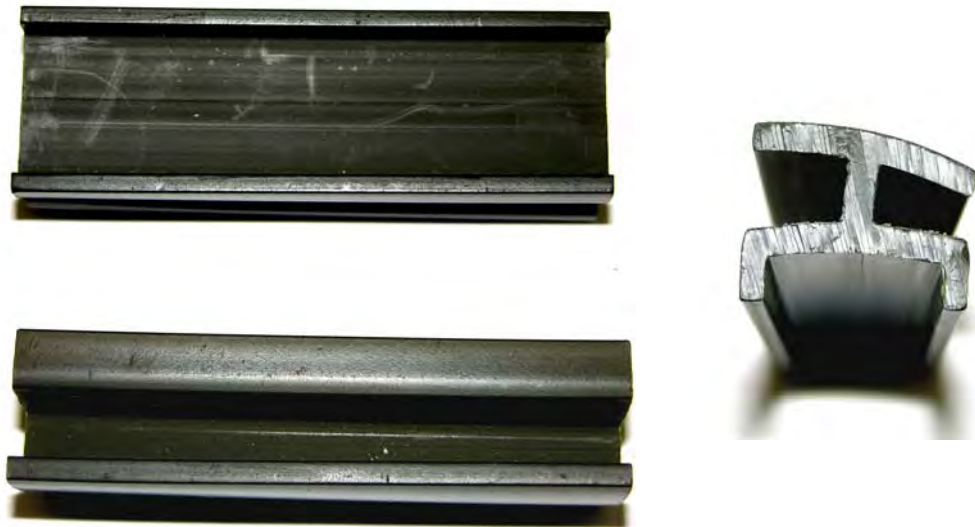


*Photos depict color variation in DIGL. Top view of stick shown at right*

*DIGL Single-perforated, graphite coated cylinder:*



*DIGL Profiler for 120MM:*



*All views of formed part are shown.*

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# EX03

## FORMULATION :

---

Nitrocellulose	59.6. +/- 1.0
Nitroglycerin	39.7 +/- 1.0
Methyl centralite	0.7 +/- 0.1

## SHAPE

---

Strands

## COLOR

---

Yellow

## DIMENSIONS

---

Fine strands of varying lengths. Used in 81MM mortar (NATO)

*EX03 Strands for 81MM:*



*Actual size shown above; close-up of strands shown below*



# HC-36

## FORMULATION:

---

### HC-36

Nitrocellulose	85.4
Nitroglycerin	6.0
Deterrent Coating	3.46
Dibutyl Phthalate	3.00
Potassium Nitrate	1.00
Diphenylamine:	0.74
2-NDPA	0.01
Graphite	0.39

### HC-36FS

Nitrocellulose	78.03
Nitroglycerin	9.44
Deterrent Coating	8.94
Potassium Nitrate	1.00
Diphenylamine:	1.00
2-NDPA	0.01
Graphite	0.99
Talc	0.59

## SHAPE

---

Single perforated cylinder

## COLOR

---

Black/Gray.

D I M E N S I O N S

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
25MM	0.185	0.095	0.012	n/a	n/a	n/a	1	cylinder

H C - 3 6 P R O P E L L A N T

---

*HC-36/HC-36FS for 25MM:*



*Shown actual size*



*Close-up of HC-36*

# HES-9554

## FORMULATION :

---

Nitrocellulose	remainder
Nitroglycerin	11.35
RDX	22.95
Ethyl Centralite	0.275
Diphenylamine:	0.35
Triacetin	1.6
Potassium Salts	1.00
Herkote	1.65
Graphite	0.49 max. added

## SHAPE

---

7- perforated cylinder

## COLOR

---

Black/Gray.

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs
25MM	0.12	0.105	0.009	n/a	n/a	0.018	7

*HES-9554 for 25MM:*



*Shown actual size*



*Close-up of HES-9554*

# IMR

IMPROVED MILITARY RIFLE (IMR)

FORMULATION :

---

There are a number of IMR formulations. Please refer to Appendix B or C to determine which formulation is used in which ammunition item.

IMR-4064:

Nitrocellulose	92.6
Diphenylamine	1.00
Graphite	0.40
Dinitrotoluene	5.00
Potassium Sulfate	1.00

IMR-4879:

Nitrocellulose	96.45
Diphenylamine	1.00
Graphite	0.40
Dinitrotoluene	0.80
Potassium Sulfate	1.00
Silicon Powder	0.75

IMR-4895:

Nitrocellulose	91.18
nitrogen content	13.15%
Diphenylamine	0.87
Graphite	0.40
Dinitrotoluene	7.00
Potassium Sulfate	0.55

IMR-4903:

Nitrocellulose	91.47
Diphenylamine	1.08
Dinitrotoluene	6.5
Potassium Sulfate	0.55
Graphite Glaze	0.40 max. added

IMR-5010:

Nitrocellulose	89.92
Diphenylamine	0.88
Graphite	0.40
Dinitrotoluene	8.25
Potassium Sulfate	0.55

IMR-7013: (also known as M12)

Nitrocellulose	90.0
Diphenylamine	0.87
Tin	0.68
Potassium Sulfate	0.55
Dinitrotoluene	7.50

IMR-7383:

Nitrocellulose	83.67
Diphenylamine	0.88
Graphite	0.40
Dinitrotoluene	11.5
Dibutyl Phthalate	3.00
Potassium Sulfate	0.55



FORMULATION (CONTINUED)

---

IMR-8097:

Nitrocellulose	95.68
Diphenylamine	0.87
Dinitrotoluene	2.50
Potassium Sulfate	0.55
Graphite Glaze	0.40

SHAPE

---

Single-perforated cylinder

COLOR

---

Graphite Coated: Shiny dark gray

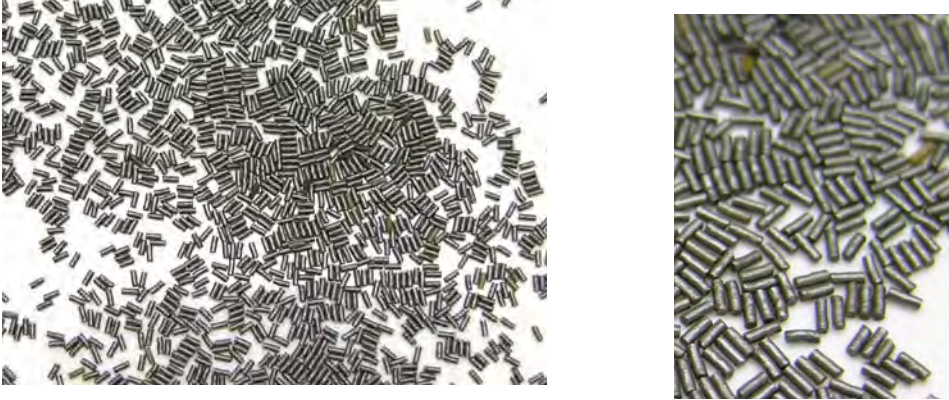
DIMENSIONS

---

Prop Model	Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
IMR 4064	sp. app.	0.0450	0.0450	0.0110	-	-	0.0120	1	cylinder
IMR 4879	20MM	0.0909	0.0750	0.0150	-	-	0.0300	1	cylinder
IMR 4895	.30 CAL	0.0625	0.0490	0.0150	-	-	0.0180	1	cylinder
IMR 4903	20MM	0.0850	0.0500	0.0100	-	-	0.0210	1	cylinder
IMR 5010	.50 CAL	0.0909	0.0830	0.0210	-	-	0.0310	1	cylinder
IMR 7005	20MM	0.0909	0.0830	0.0210	-	-	0.0310	1	cylinder
IMR 7013	20MM	0.0909	0.0800	0.0150	n/a	n/a	n/a	1	cylinder
IMR 7383	.50 CAL	0.0850	0.0550	0.0240	-	-	0.0120	1	cylinder
IMR 8097	7.62MM	0.0450	0.0450	0.0110	-	-	0.0120	1	cylinder

Note: Visually, a number of IMR formulations look identical. Each unique size is represented in the photos below. Both actual size and close-up photos are presented.

*IMR 4064, IMR-8097:*



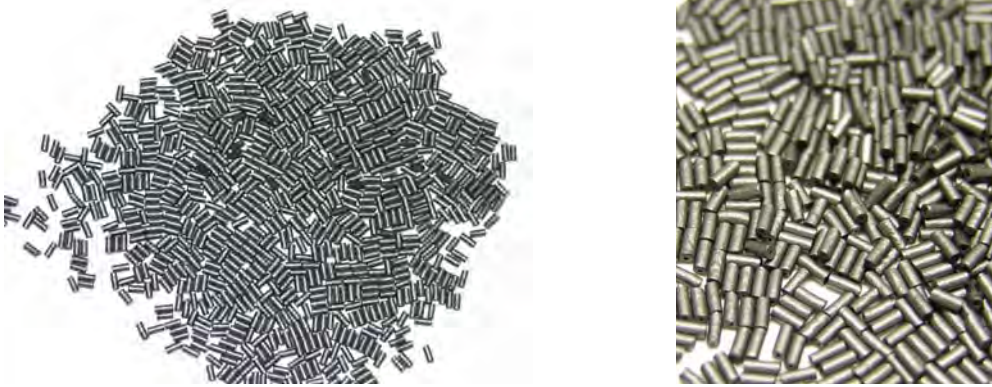
*Actual size shown on left; close-up photo on right*

*IMR-4879, IMR-5010, IMR-7005, IMR-7013:*



*Actual size shown on left; close-up photo on right*

*IMR-4903, IMR-7383:*



*Actual size shown on left; close-up photo on right*

*IMR 4895:*



*Actual size shown on left; close-up photo on right*

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# JA2

## FORMULATION :

---

Nitrocellulose	59.50 +/- 2.00
Nitroglycerin	14.90 +/- 1.0
DEDGN	24.80 +/- 1.5
Akardite II	0.70 +/- 0.20
Magnesium Oxide	0.03 +/- 0.05
Graphite	0.03 to 0.05

## SHAPE

---

7- perforated cylinder; 19 perforated hex; 19-perforated stick; slotted stick

## COLOR

---

Cylinder and hex: Exterior: Shiny gray, graphite coated; interior: green  
Stick: Greenish-black

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
120MM	0.640	0.600	0.025	-	-	0.790	19	hex
120MM	0.649	0.417	0.039	-	-	0.075	7	cylinder
120MM	0.840	0.290	0.020	0.058	0.058	0.058	7	cylinder
120MM	5.940	0.669	0.037	-	-	0.081	19	stick
120MM	11.250	0.669	0.037	-	-	0.081	19	stick
120MM	15.310	0.353	0.101	-	-	0.126	1	stick
120MM	16.000	0.569	0.025	0.074	0.074	0.074	19	stick
120MM	17.000	0.593	0.025	0.078	0.078	0.078	19	stick
120MM	18.000	0.450	0.030	-	-	0.090	7	stick
120MM	21.400	0.662	0.370	0.095	0.068	0.091	19	stick

*JA2 7-perforated cylinder for 120MM*



*Top view of grain shown on left; split grain showing interior on right*

*JA2 19-perforated hex for 120MM*



*Top view of grain shown on left; split grain showing interior on right*

*JA2 19-perforated stick for 120MM*



*While photo does show this propellant actual size, it does not show entire stick length which can vary from 5.9 to 17 inches.*

*JA2 single-perforated, slotted stick for 120MM*



*While photo does show this propellant actual size, it does not show entire stick length which is approximately 15 inches.*



*JA2 7-perforated, stick for 120MM*



*While photo does show this propellant actual size, it does not show entire stick length which is approximately 18 inches.*

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# LKL

## FORMULATION :

---

Nitrocellulose	93.50 +/- 2.50
Dinitrotoluene	3.00 +/- 1.5
Dibutyl Phthalate	1.00 +/- 0.30
Diphenylamine	1.50 +/- 0.30
Potassium sulfate	1.20 +/- 0.30
Graphite	0.20 max. added

## SHAPE

---

19 perforated cylinder

## COLOR

---

Exterior: Shiny gray, graphite coated; interior: green

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
120MM	0.394	0.354	0.118	-	-	0.51	19	cylinder

*LKL Propellant for 120MM*



*Top view of grain shown on left; split grain showing interior on right*

# PAP-7993

## FORMULATION:

---

There are two PAP-7993 formulations:

### Composition #1:

Nitrocellulose	89.60
Acetyltriethyl citrate	8.00
Akardite II	1.40
Potassium Sulfate	1.00
Graphite	0.15 max. added
Bismuth	0.40 added

### Composition #2:

Nitrocellulose	89.50
Acetyltriethyl citrate	8.00
Ethyl centralite	1.50
Potassium Sulfate	1.00
Graphite	0.15 max. added

## SHAPE

---

Single or multi-perforated cylinder

## COLOR

---

Green, gray

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf. Dia. (in)	Average (in)	# of Perfs	Shape
105MM	0.23	0.052	0.02	0.017	1	cylinder
105MM	0.3	0.14	0.016	0.022	7	cylinder

*PAP-7993, single-perforated cylinder for 105MM:*



*PAP-7993, multi-perforated cylinder for 105MM:*



# RPD

There are eight formulations in the RPD series.

## FORMULATIONS:

---

### RPD 36:

Nitrocellulose	remainder
Methyl centralite	6.0
Diphenylamine	0.90
Potassium nitrate	1.0
Dibutylphthalate	3.0
Graphite	0.40 max.

### RPD 380:

Nitrocellulose	57.10
Nitroglycerin	25.80
DEGDN	16.30
Akardite II	0.70
Magnesium Oxide	0.05
Graphite	0.05
Graphite Glaze	0.2 added

### RPD-448:

Nitrocellulose	90.0
Acetyltriethyl citrate	8.0
Akardite II	1.00
Potassium sulfate	1.0
Graphite	0.15 max. added

FORMULATIONS (CONT'D)

---

RPD-449:

Nitrocellulose	89.60
Acetyltriethyl citrate	8.0
Akardite II	1.40
Potassium sulfate	1.0
Graphite	0.04 added

RPD-451:

Nitrocellulose	85.0
Dinitrotoluene	10.0
Dibutylphthalate	5.0
Diphenylamine	1.00 added
Potassium sulfate	1.0 added
Graphite	0.40 added

RPD-788:

Nitrocellulose	98.0
Diphenylamine	1.0
Methyl centralite	1.0

RPD-910:

Nitrocellulose	96.0
Diphenylamine	1.0
Potassium sulfate/ Nitrate	1.0
Methyl centralite	2.0

RPD-1315:

Nitrocellulose	33.5
Diphenylamine	1.5
Potassium sulfate	65.0



S H A P E

---

Single and multi-perforated cylinders; flake

C O L O R

---

Gray, black, green

D I M E N S I O N S

---

RPD Type	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
RPD-36	0.0950	0.0430	0.0120	n/a	n/a	0.0185	1	cylinder
RPD-380	2.0000	0.4700	0.2200	0.1010	0.1010	0.1010	7	stick
RPD-380	0.0059	0.0960	n/a	n/a	n/a	n/a	0	flake
RPD-448	0.2010	0.1010	0.0085	0.0180	0.0180	0.0180	7	cylinder
RPD-449	0.2010	0.1010	0.0085	0.0180	0.0180	0.0180	7	cylinder
RPD-451	0.2010	0.1010	0.0085	0.0180	0.0180	0.0180	7	cylinder
RPD-788	0.0420	0.0350	0.0080	n/a	n/a	0.0140	1	cylinder
RPD-910	0.1000	0.1000	0.0140	0.0310	0.0215	0.0180	7	cylinder
RPD-1315	0.0830	0.0640	0.0090	n/a	n/a	0.0230	1	cylinder

RPD-36 PROPELLANT

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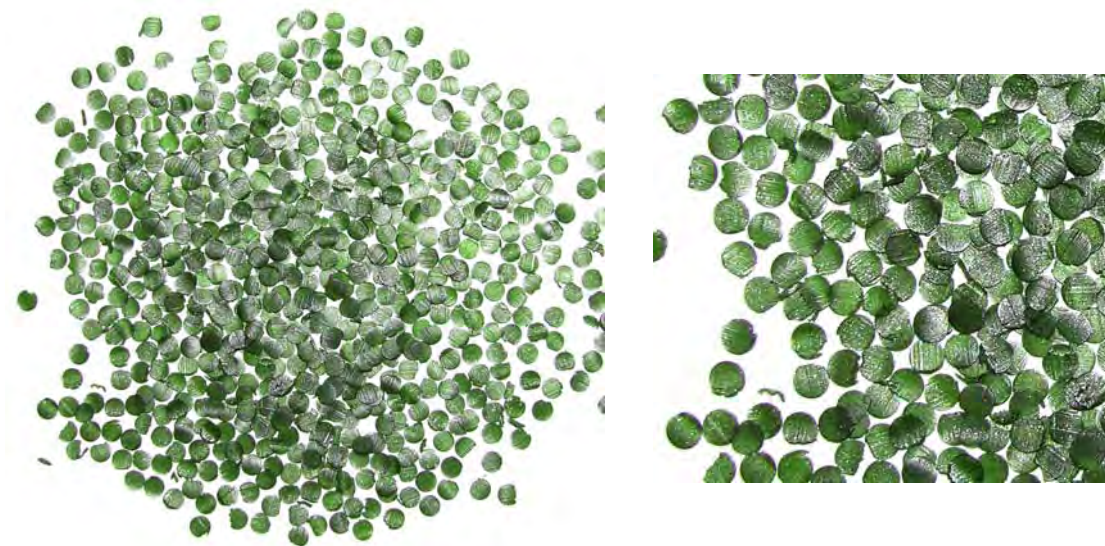


*Shown actual size on left; close-up on right*

RPD-380 PROPELLANT

---

*RPD-380 Flake Propellant:*



*Shown actual size on left; close-up on right*

*RPD-380 Stick Propellant:*



*Top view of stick shown on right*



RPD-449 PROPELLANT

---



RPD-451 PROPELLANT

---





RPD-788 PROPELLANT

---



*Shown actual size on left; close-up on right.*

RPD-910 PROPELLANT

---



*Shown actual size on left; close-up on right.*



*Shown actual size on left; close-up on right.*

# SPCF

SPCF is also known as NACO and BS-NACO.

## FORMULATION :

---

Nitrocellulose	93.75
Butyl Stearate	3.00
Potassium sulfate	1.25
Lead carbonate	1.00
Ethyl centralite	1.00

Note: The stability of this propellant is only assessed through accelerated aging. Studies have shown that stabilizer concentration in this propellant is not reflective of the stability of the propellant and cannot be used to determine the stability Category of this propellant type.

## SHAPE

---

Multi-perforated cylinder

## COLOR

---

Cream, yellow, green, dark green, black

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
5"/38	0.4245	0.235	0.0191	-	-	0.0445	7	cylinder
5"/54	0.5788	0.2442	0.0317	-	-	0.0373	7	cylinder
8"/55	1.0547	0.4874	0.0498	-	-	0.0852	7	cylinder

SPCF PROPELLANT

---

*SPCF Propellant for 5"/38:*





SPCF PROPELLANT

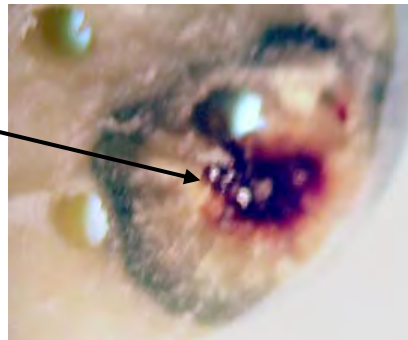
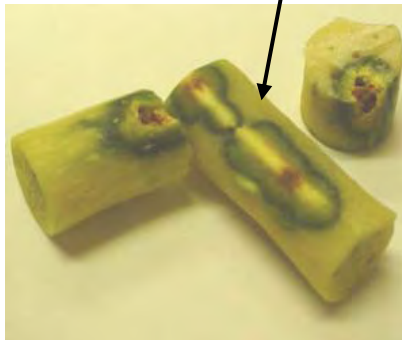
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*SPCF Propellant for 5"/54:*

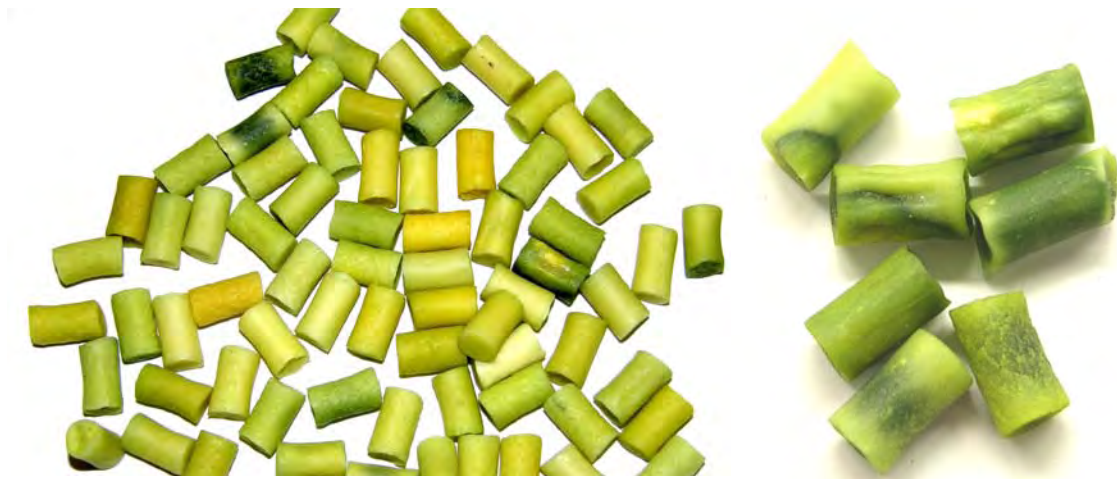


*SPCF Propellant for 8"/55:*





The above photos depict SPCF grains that are mottled or spotted green with brown cavity-like areas. The photo on the bottom left is a close-up of the mottled grains. The brown cavities have been determined to be uncolloided and unstabilized nitrocellulose. The photo on the bottom right, is a micro slide of the brown cavity in the grain. The brown cavities have been determined to be a result of localized self-heating of the uncolloided and unstabilized nitrocellulose.



Above photos show typical green color changes noted in SPCF propellant for the 5"/38. The photo on the left shows grains from one lot of SPCF. The photo on the right shows a close-up of some shriveled grains. Studies have determined that green and shriveled grains will have diminished stability as compared to the yellow grains. The presence of shriveled grains alone is not an indication of instability; accelerated aging must be performed in order to make that determination.



Photos above show typical green color change noted in the SPCF propellant for the 8"/55. Studies have determined that the green discolored grains will have diminished stability as compared to those grains which are not discolored. The presence of green colored grains alone is not an indication of instability; accelerated aging must be performed in order to make that determination.

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# SPCG

SPCG is also known as Cordite-N

## FORMULATION :

---

There are two SPCF Formulations:

### Composition #1

Nitrocellulose	18.00
Nitroglycerin	19.00
Nitroguanidine	55.00
Ethyl Centralite	7.00
Potassium Sulfate	1.00

### Composition #2

Nitrocellulose	21.00
Nitroglycerin	9.00
Nitroguanidine	58.00
Dibutyl Phthalate	8.00
Ethyl Centralite	2.00
Potassium Sulfate	2.00

## SHAPE

---

Multi-perforated cylinder

## COLOR

---

Cream, cream color with gray flecks

D I M E N S I O N S

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
3"/50	0.459	0.186	0.02	-	-	0.033	7	cylinder
3"/70	0.532	0.193	0.0289	-	-	0.0257	7	cylinder
8"/55	1.14	0.477	0.0559	-	-	0.078	7	cylinder

S P C G P R O P E L L A N T

---

*SPCG Propellant for 3"/50:*



*SPCG Propellant for 3"/70:*



*The black spotting noted on some grains of SPCG propellant are attributed to carbon impurities in the nitroguanidine. The presence of spotting has no correlation to diminished stability.*

*SPCG Propellant for 8"/55:*



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# SPD

This section also includes SPDB and SPDW.

## FORMULATION :

---

Nitrocellulose            99.00  
Diphenylamine            1.00

## SHAPE

---

Multi-perforated cylinder

## COLOR

---

Olive green, dark green, black

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Inner (in)	Web Outer (in)	Average (in)	# of Perfs	Shape
5"/38	0.712	0.3028	0.0306	n/a	n/a	0.0528	7	cylinder
5"/38	0.926	0.398	0.069	n/a	n/a	0.041	7	cylinder
5"/54	0.689	0.338	0.032	-	-	0.06	7	cylinder
6"/47	0.722	2.768	0.027	n/a	n/a	0.049	7	cylinder
8"/55	1.267	0.521	0.092	n/a	n/a	0.051	7	cylinder
16"/45	1.495	0.665	0.061	-	-	0.126	7	cylinder
16"/45	1.97	0.859	0.06	n/a	n/a	0.17	7	cylinder

*SPD Propellant for 5"/38:*



*Photos depict the color variation that can be seen with this propellant type.*

*SPD Propellant for 5"/54:*



*SPD Propellant for 6"/47:*



*SPD Propellant for 8"/55:*



## SPD PROPELLANT

---

### *SPD Propellant for 16"/45:*



*NOTE: The stability of SPD propellant for the 16"/45 (above) is only assessed for stability using accelerated aging. Chemical analysis is not applicable to this propellant and cannot be used to determine stability category.*

## SPDB PROPELLANT

---

SPDB propellant is SPD propellant that has been blended. The purpose of blending is to provide a uniform index of ample size and desired character from smaller lots. SPDB will have the same formulation and the same dimensions/appearance of the SPD.

## SPDW PROPELLANT

---

SPDW propellant is SPD propellant that has been reworked by grinding followed by processing to produce stabilized propellant grains. SPDW will have the same formulation and the same dimensions/appearance of the SPD.

# SPDF

This section include SPWF propellant

## FORMULATION :

---

Nitrocellulose            97.00  
Potassium sulfate        2.00  
Diphenylamine            1.00

## SHAPE

---

Multi-perforated cylinder

## COLOR

---

Yellow, green, dark green, black

## DIMENSIONS

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Average (in)	# of Perfs	Shape
40MM	0.268	0.122	0.013	0.022	7	cylinder
3"/50	0.467	0.196	0.02	0.034	7	cylinder
8"/00	0.754	0.273	0.15	0.062	7	cylinder
8"/55	1.15	0.491	0.052	0.083	7	cylinder
8"/55 Case	1.22	0.514	0.053	0.09	7	cylinder

*SPDF for 40MM*



*SPDF for 3"/50*



*SPDF for 8"/50*



*Photo depicts the color variations that are commonly found within a lot.*

*SPDF for 8"/55*



*Photo depicts the color variations that are commonly found within a lot.*

## SPWF PROPELLANT

---

SPWF propellant is flashless powder that has been made by reworking of ordinary nonflashless powder. SPWF will have the same formulation and the same dimensions/appearance of the SPWF.



# SPDN

## FORMULATION :

---

### Composition #1

Nitrocellulose	84.00
Dinitrotoluene	10.00
Dibutylphthalate	3.00
Potassium sulfate	2.00
Diphenylamine	1.00

### Composition #2 (specifically used in 20MM)

Nitrocellulose	84.00
Dinitrotoluene	10.00
Dibutylphthalate	3.00
Potassium sulfate	2.00
Diphenylamine	1.00

### Composition #3 (also called M6)

Nitrocellulose	86.00
Dinitrotoluene	10.00
Dibutylphthalate	3.00
Diphenylamine	1.00

S H A P E

---

Single or multi-perforated cylinder

C O L O R

---

Green, greenish black, gray, black, graphite coated

D I M E N S I O N S

---

Usage	Length (in)	Diameter (in)	Perf Diameter (in)	Average (in)	# of Perfs	Shape
20 mm	0.0864	0.0548	0.0062	0.0337	7	cylinder
1.1"/75	0.2756	0.0767	0.0153	0.0307	1	cylinder
75 mm	0.2778	0.0485	0.0182	0.0152	7	cylinder
40mm	0.282	0.1159	0.0113	0.0205	7	cylinder
3"/50	0.455	0.203	0.022	0.035	7	cylinder
5"/25	0.551	0.232	0.024	0.04	7	cylinder
5"/38	0.6694	0.2925	0.0293	0.0511	7	cylinder
76 mm	0.6778	0.291	0.0289	0.0514	7	cylinder
8"/00	0.754	0.273	0.15	0.15	1	cylinder
5"/51, Mk VII	0.775	0.324	0.031	0.058	7	cylinder
4"/50, Mk IX	0.782	0.326	0.032	0.057	7	cylinder
5"/38	0.7877	0.3187	0.0308	0.0586	7	cylinder
5"/54	0.8955	0.4467	0.0455	0.0786	7	cylinder
5"	0.934	0.396	0.034	0.0745	7	cylinder
14"/45	1.004	0.4427	0.0463	0.076	7	cylinder
6"/47	1.0368	0.4418	0.0448	0.076	7	cylinder
8"/55	1.1801	0.5162	0.0523	0.0889	7	cylinder
16"	1.185	0.5204	0.0522	0.0909	7	cylinder

*SPDN for 1.1"/75:*



*SPDN for 3"/50:*



*SPDN for 5"/38:*



*SPDN for 6"/47:*



*SPDN for 8"/00:*



*SPDN for 8"/55:*



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# WC

WINCHESTER CARTRIDGE (WC) PROPELLANT

FORMULATION:

---

## WC 140

Nitrocellulose	remainder
Graphite	0.40
Sodium sulfate	0.40
Calcium carbonate	1.0
Nitroglycerin	0 to 1.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	0.0 to 2.0

## WC 750

Nitrocellulose	remainder
Dinitrotoluene	1.0
Dibutylphthalate	2.0 to 7.50
Sodium sulfate	0.50
Calcium carbonate	0.25
Nitroglycerin	8 to 12.50
Diphenylamine	0.75 to 1.65

WC 814

Nitrocellulose	remainder
Graphite	0.40
Sodium sulfate	0.50
Calcium carbonate	0.25
Nitroglycerin	13.0 to 19.00
Diphenylamine	0.75 to 1.50
Ethyl centralite	0.0 to 4.0
Dibutylphthalate	1.0

WC 815

Nitrocellulose	remainder
Potassium nitrate	1.50
Diphenylamine	1.00
Nitroglycerin	0.65
Dibutylphthalate	0.30
Graphite	0.30
Calcium carbonate	0.30

WC 816

Nitrocellulose	remainder
Nitroglycerin	34.0 – 40.0
Diphenylamine	0.75 to 1.50
Potassium nitrate	1.50 max.
Dinitrotoluene	0.50 max.
Dibutylphthalate	0.35 max.



WC 818

Nitrocellulose	remainder
Graphite	0.30
Sodium sulfate	0.50
Calcium carbonate	1.0
Nitroglycerin	8 to 12.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	1.50

WC 819 (M38)

Nitrocellulose	remainder
Nitroglycerin	2.0 max.
Dinitrotoluene	1.0 max.
Dibutyl Phthalate	0.5 max.
Sodium sulfate	0.50 max.
Diphenylamine	0.75 – 1.50
Calcium carbonate	0.25 max.

WC 844

Nitrocellulose	remainder
Graphite	0.40
Sodium sulfate	0.50
Calcium carbonate	0.25
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	3.0 to 6.0

WC 844T

Nitrocellulose	remainder
Graphite	0.40
Sodium sulfate	0.50
Calcium carbonate	0.25
Nitroglycerin	9.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	3.50 to 6.0

WC 846

Nitrocellulose	remainder
Graphite	0.40
Calcium carbonate	coating
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	3.50 to 7.0

WC 856

Nitrocellulose	remainder
Graphite	0.40
Potassium Salt	1.00
Sodium sulfate	0.50
Calcium carbonate	0.25
Nitroglycerin	11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	6.00

WC 857

Nitrocellulose	remainder
Graphite	0.10 – 0.40
Potassium salt	0.40 – 1.50
Nitroglycerin	9.0 to 12.50
Calcium carbonate	0.40 – 0.80
Diphenylamine	0.75 to 1.65
Dibutylphthalate	4.0 to 8.0

WC 860

Nitrocellulose	remainder
Graphite	0.40
Potassium nitrate	0.10 to 1.50
Sodium sulfate	0.50
Calcium carbonate	1.00
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	6.0 to 10.0

WC 863

Nitrocellulose	remainder
Dibutylphthalate	3.5 – 4.5
Nitroglycerin	9.5 to 11.50
Graphite	0.40 max.
Potassium nitrate	1.0 min.
Potassium sulfate	2.0 max.
Diphenylamine	0.75 to 1.50

WC 864

Nitrocellulose	remainder
Nitroglycerin	22.0 – 28.0
Diphenylamine	1.00 to 1.65
Graphite	0.40 max.

WC867

Nitrocellulose	remainder
Dinitrotoluene	1.0 max.
Dibutylphthalate	5.5 – 9.5
Sodium sulfate	0.50 max.
Calcium carbonate	1.00 max.
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Potassium nitrate	0.10 – 1.50

WC 870

Nitrocellulose	remainder
Graphite	0.40
Potassium nitrate	0.10 to 1.50
Sodium sulfate	0.50
Calcium carbonate	1.00
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	4.5 to 8.5

WC 872

Nitrocellulose	remainder
Graphite	0.40
Potassium nitrate	0.10 to 1.50
Sodium sulfate	0.50
Calcium carbonate	1.00
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	5.5 to 9.5
Tin oxide	0.65 to 1.50

WC 875

Nitrocellulose	remainder
Graphite	0.40
Potassium nitrate	0.10 to 1.50
Sodium sulfate	0.50
Calcium carbonate	1.00
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	5.5 to 9.5
Tin oxide	0.65 to 1.50

WC 890

Nitrocellulose	remainder
Graphite	0.40
Potassium nitrate	0.10 to 1.50
Sodium sulfate	0.50
Calcium carbonate	1.00
Nitroglycerin	8.0 to 11.00
Diphenylamine	0.75 to 1.50
Dibutylphthalate	5.5 to 9.5
Tin oxide	0.65 to 1.50

S H A P E

---

Ball shaped, or flattened disks.

C O L O R

---

Gray, silver, brown, black. Some graphite coated.

D I M E N S I O N S

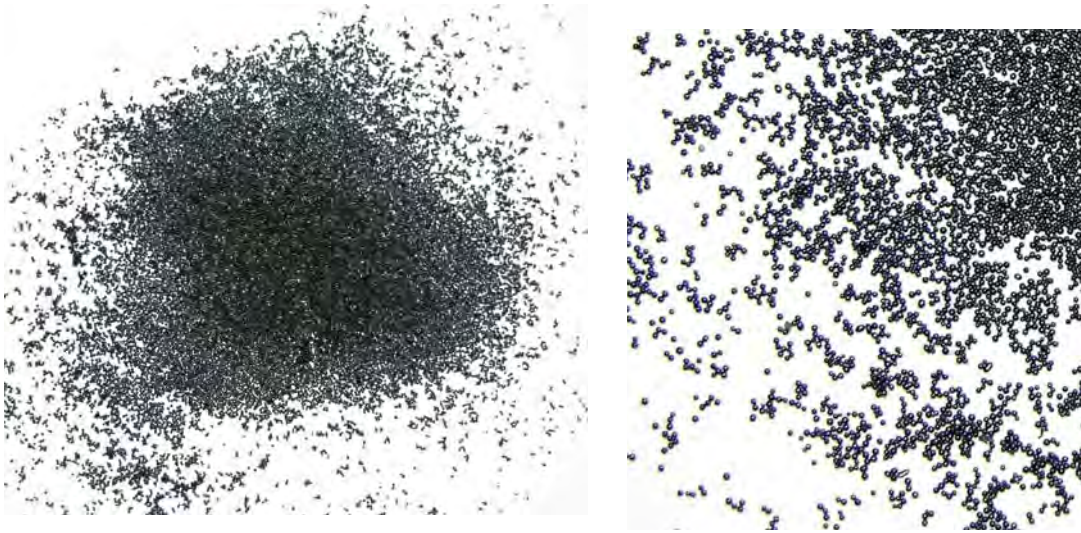
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This type of propellant is measured by the size sieve that 95% of the propellant will pass through:

Size	Propellant Type
10	WC 864
14	WC 816, WC 890
16	WC 857, WC 860, WC 863, WC, 867, WC 872
18	WC 819, WC 870, WC 875
20	WC 140, WC 750, WC 814, WC 815, WC 844, WC 846
35	WC 818

WC 140 PROPELLANT:

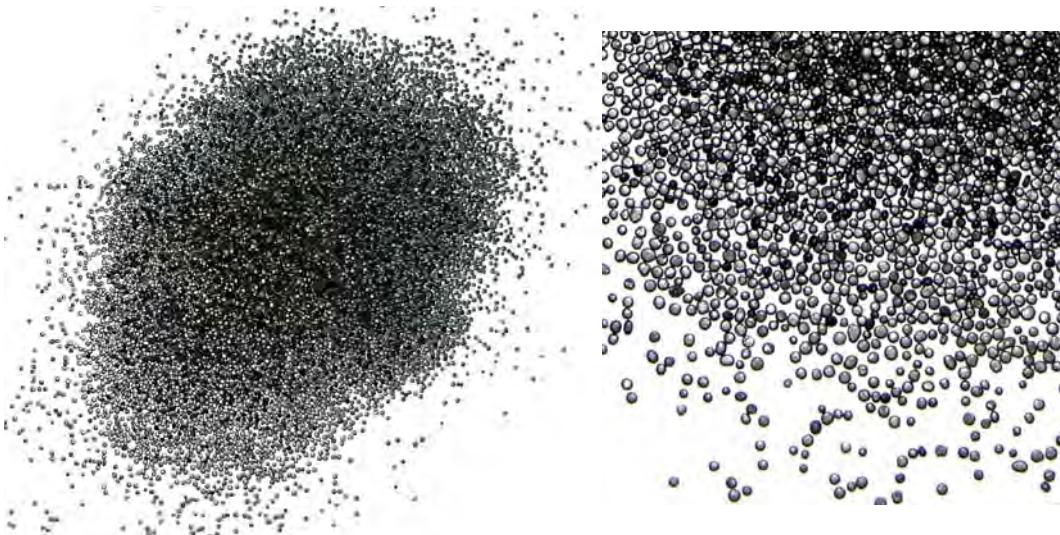
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*Actual size shown on left; close-up shown on right.*

WC 750 PROPELLANT

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*Actual size shown on left; close-up shown on right.*

WC 814 PROPELLANT

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*Actual size shown on left; close-up shown on right.*

WC 815 PROPELLANT

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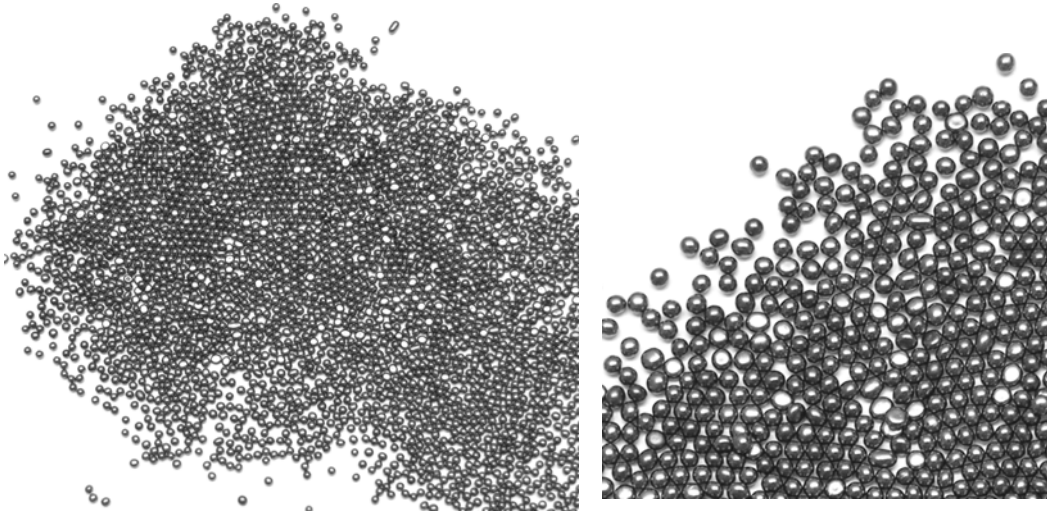


*Actual size shown on left; close-up shown on right.*



WC 816 (M48) PROPELLANT

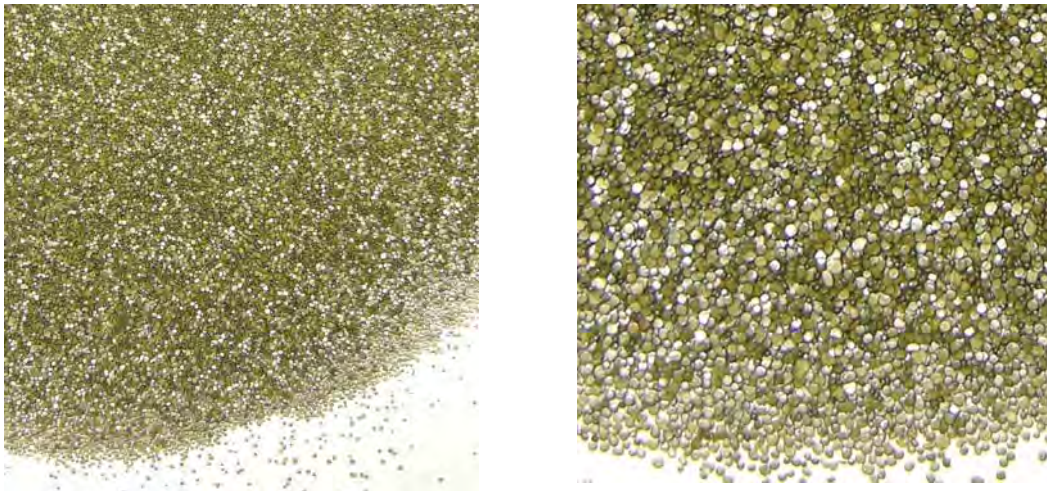
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*Actual size shown on left; close-up shown on right.*

WC 818 PROPELLANT

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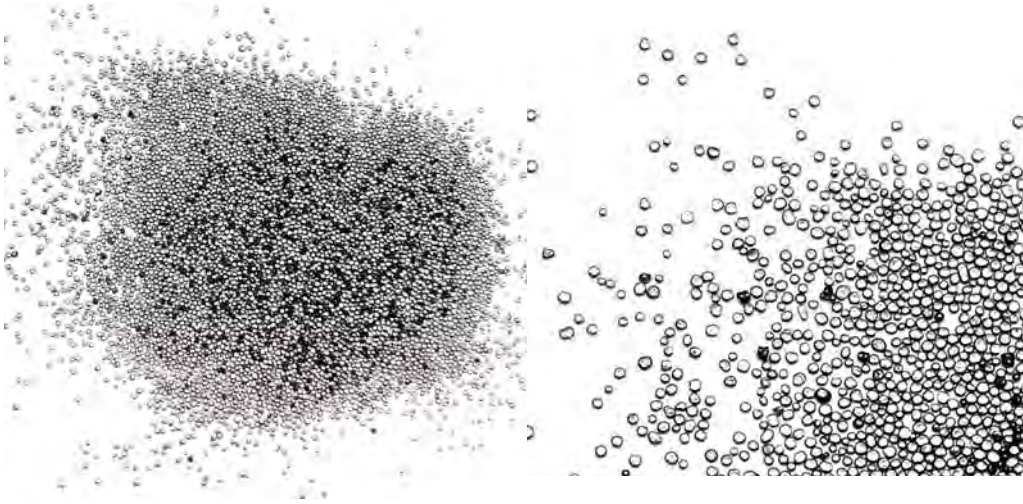


*Actual size shown on left; close-up shown on right.*



WC 819 (M38) PROPELLANT

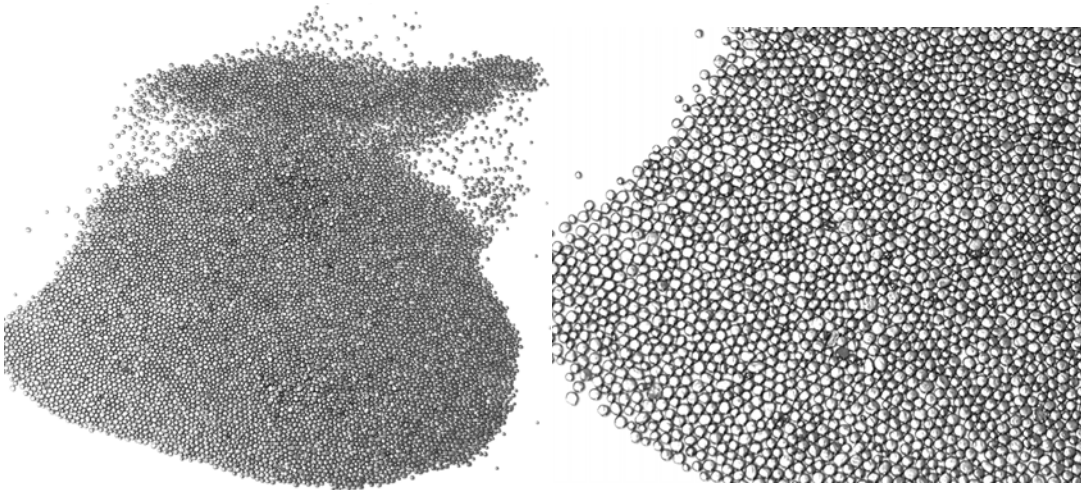
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*Actual size shown on left; close-up shown on right.*

WC 844 AND WC 844T PROPELLANT

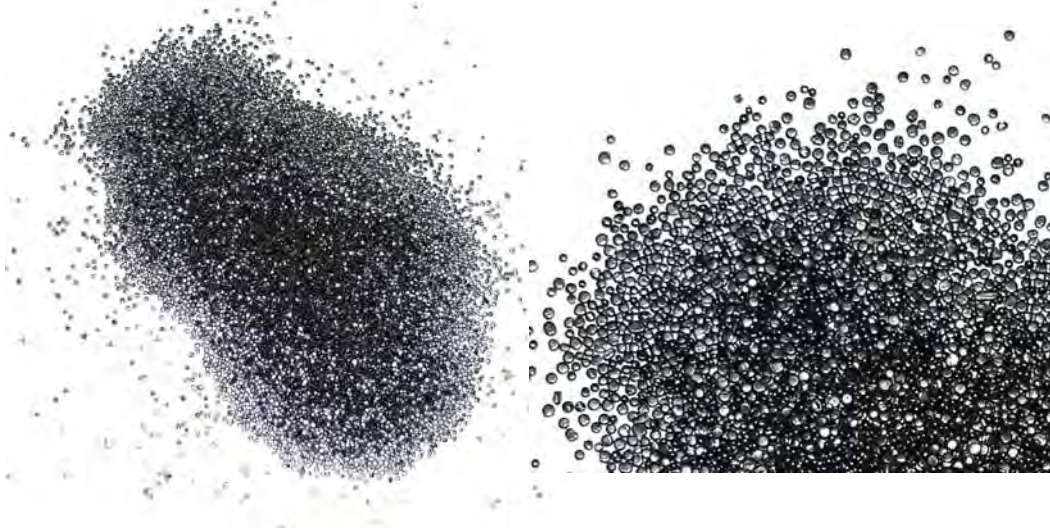
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*Actual size shown on left; close-up shown on right.*

WC 846 PROPELLANT

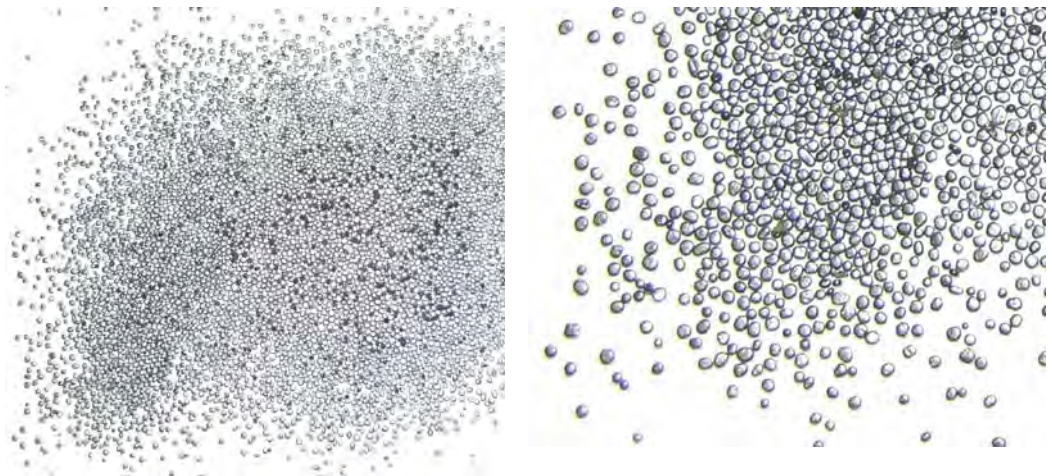
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*Actual size shown on left; close-up shown on right.*

WC 856 PROPELLANT

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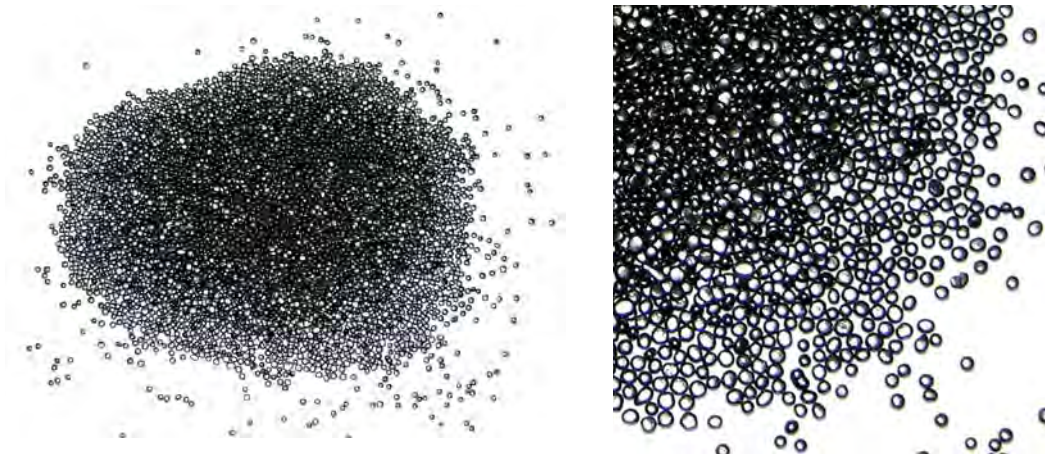


*Actual size shown on left; close-up shown on right.*



WC 860 PROPELLANT

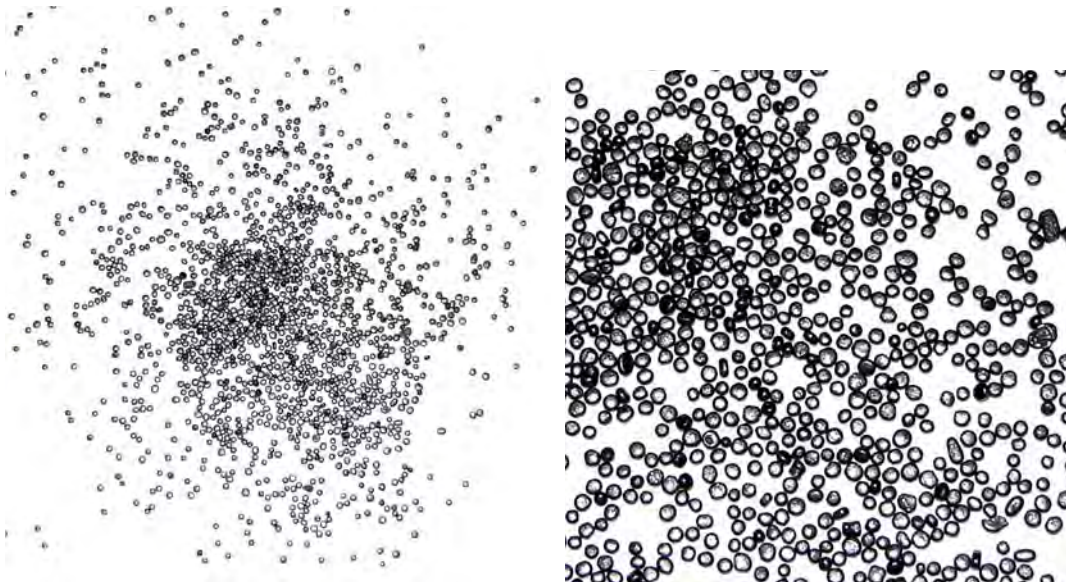
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*Actual size shown on left; close-up shown on right.*

WC 863 PROPELLANT

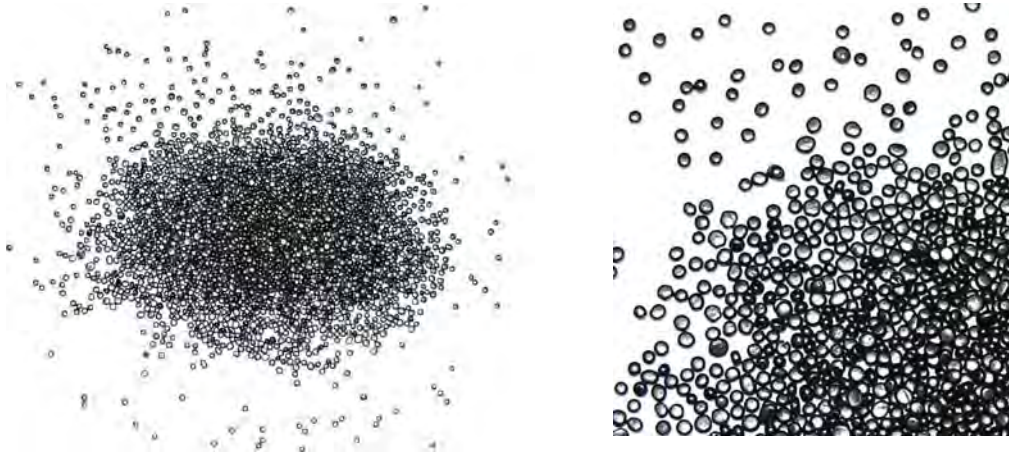
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*Actual size shown on left; close-up shown on right.*

WC 864 PROPELLANT

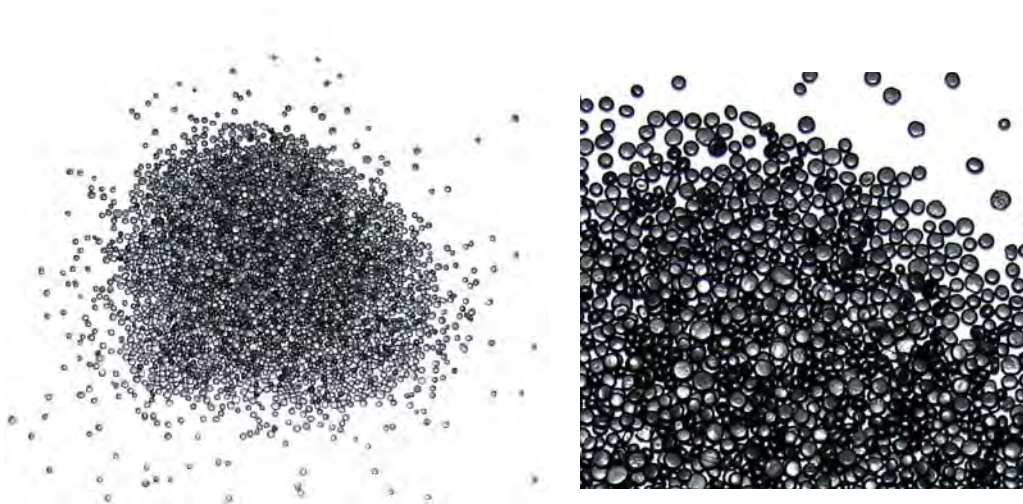
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*Actual size shown on left; close-up shown on right.*

WC 867 PROPELLANT

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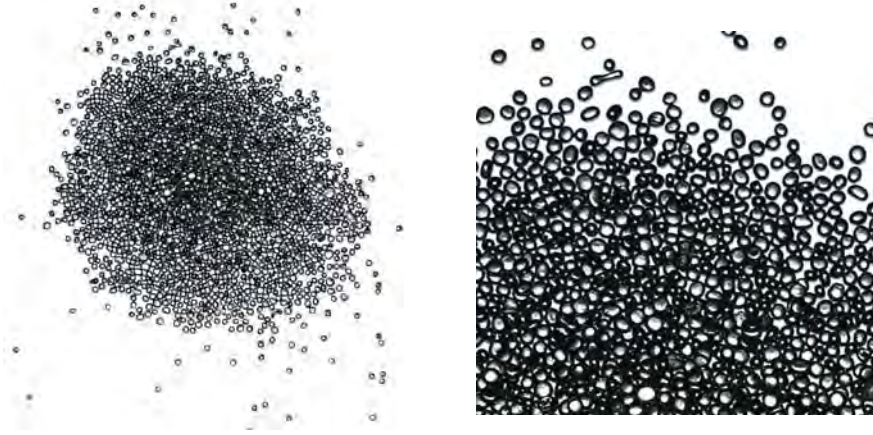


*Actual size shown on left; close-up shown on right.*



WC 869 PROPELLANT

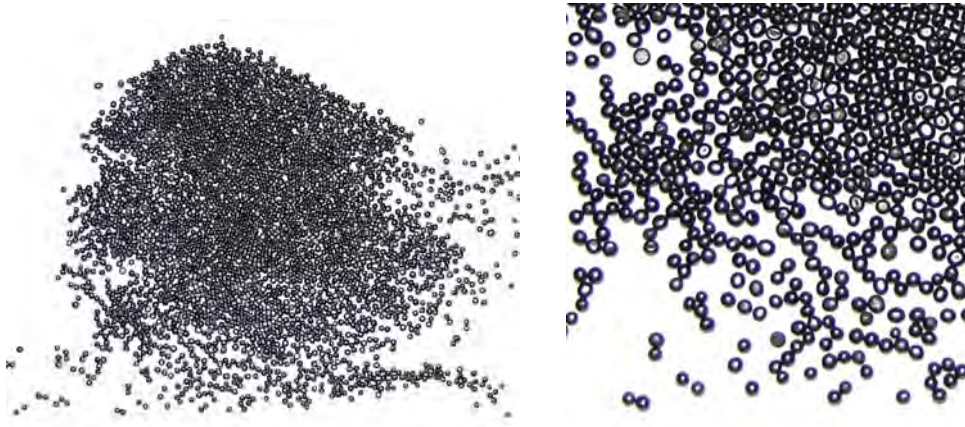
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*Actual size shown on left; close-up shown on right.*

WC 870 PROPELLANT

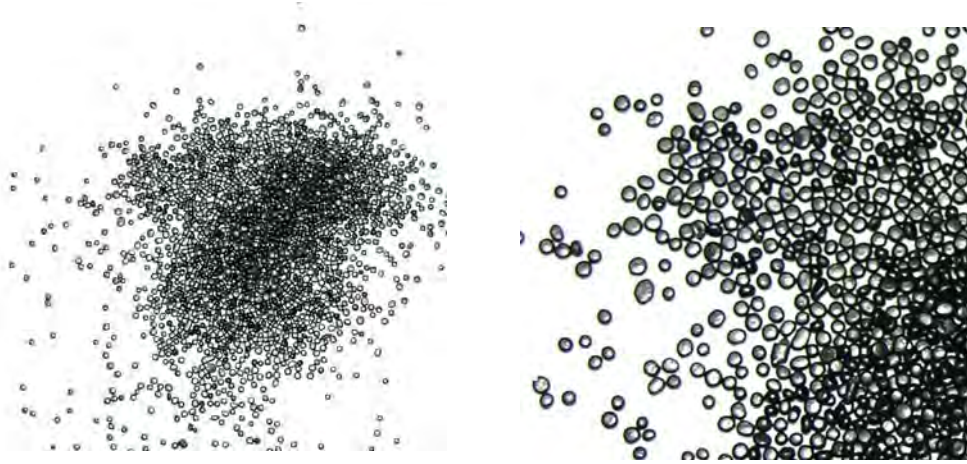
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*Actual size shown on left; close-up shown on right.*

WC 872 PROPELLANT

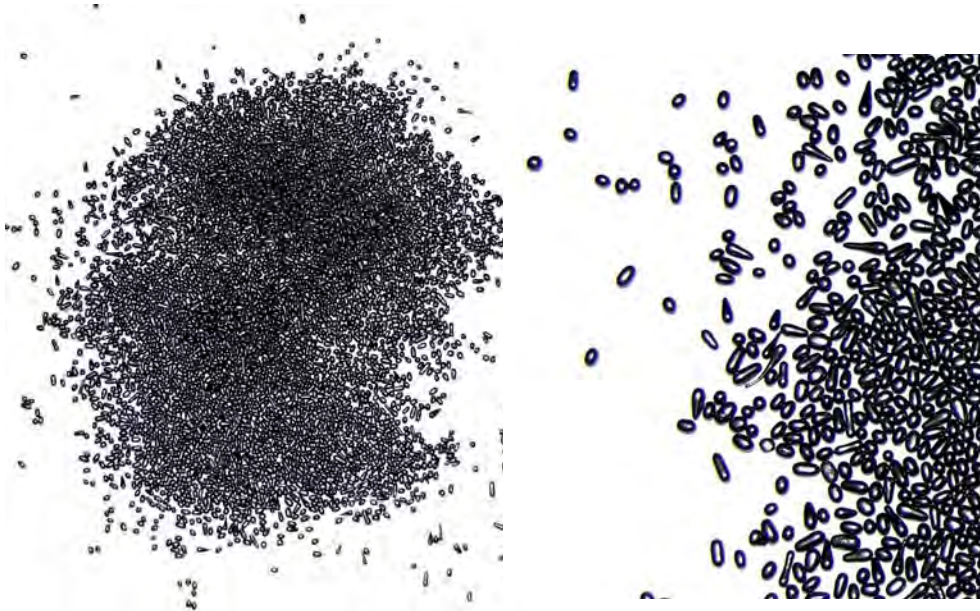
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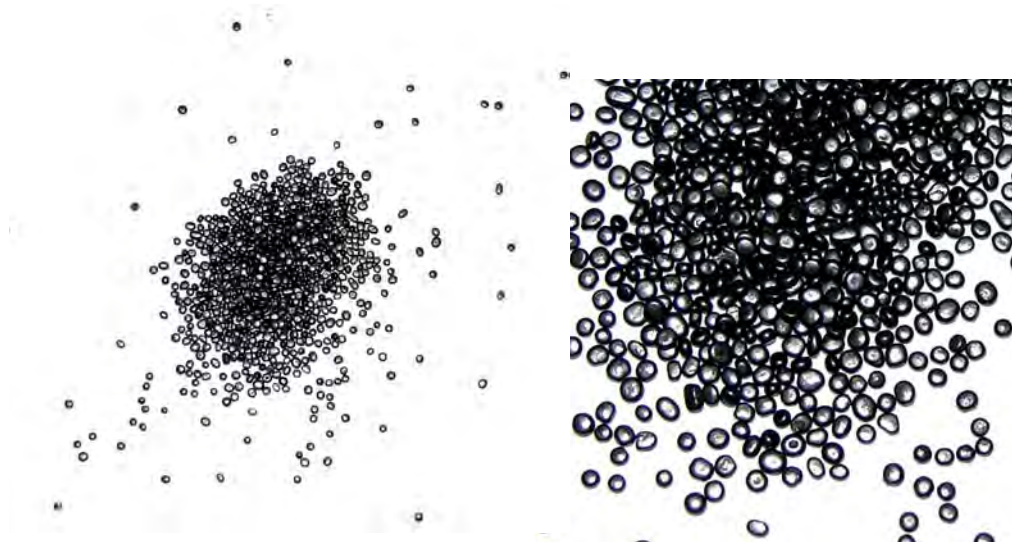
*Actual size shown on left; close-up shown on right.*

WC 875 PROPELLANT

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*Actual size shown on left; close-up shown on right.*



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# WCR-845

## FORMULATION :

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Nitrocellulose	remainder
Nitroglycerin	12.5 to 17.5
Diphenylamine	0.75 to 1.65
Graphite	0.4 max.
Ethyl centralite	2.50 – 6.50
Dinitrotoluene	1.0 max.
Sodium Sulfate	0.50 max.
Calcium carbonate	0.25 max.
Potassium nitrate	0.1 max.
Tin Dioxide	0.1 max.

## SHAPE

---

Ball

## COLOR

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Green, gray

## DIMENSIONS

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95% of this propellant will pass through a No. 20 US Sieve.

*WCR-845 Propellant for 25MM (actual size):*



*Close-up of WCR-845 Propellant for 25MM:*



*Appendix A:*  
*Navy Propellant Nomenclature and Lot  
Numbering Information*

## APPENDIX A: Navy Propellant Nomenclature and Lot Numbering

The Navy propellants included in this manual are limited only to those types that are commonly stored at Army installations.

Class Designation Letters for Navy Propellant: Unlike the Model numbers (M1, M6, M9 etc.) the Army assigns propellants, designation of Navy propellant types is accomplished through the use of the class designation letters:

SP: Smokeless Powder  
B: Blended  
C: Stabilized by ethyl centralite  
D: Stabilized by diphenylamine  
F: Flashless powder  
G: Contains nitroglycerin and nitroguanidine  
N: Nonhydroscopic  
W: Reworked by grinding  
X: Water-drying process

These letters are combined to designate the chemical make-up of the majority of Navy propellant types and provides for rapid identification of a propellant's basic chemical make-up. Below are the class designation letter combinations for the Navy propellants included in this manual:

SPCF: smokeless powder (SP) stabilized by ethyl centralite (C) that also contains a non-combustible flash inhibitor (F). This propellant is also referred to as NACO (Navy Cool) or BS-NACO.

SPCG: smokeless powder (SP) stabilized by ethyl centralite (C) that also contains nitroglycerin and nitroguanidine (G).

SPD: smokeless powder (SP), stabilized by diphenylamine (D).

SPDB: smokeless powder (SP), stabilized by diphenylamine (D) that has been blended (B).

SPDF: smokeless powder (SP), stabilized by diphenylamine (D) that also contains a non-combustible flash inhibitor (F)

SPDN: smokeless powder (SP), stabilized by diphenylamine (D) to which nonvolatile (N) materials have been added to reduce moisture absorption.

SPDW: smokeless powder (SP), stabilized by diphenylamine (D) which has been reworked (W) by grinding.

SPWF: is a smokeless powder (SP) that has been reworked (W) into a flashless (F) powder.

*The Navy Propellant Lot Numbering System: The lot numbering of a Navy propellant differs dramatically from that of an Army lot number particularly since the characters do not represent the same information as that in Army lots numbers. A Navy propellant lot number will typically appear as:*

*PAPB 29 - 10201*

*The first two characters (PA) are the manufacturer's code. In this case, it is Picatinny Arsenal. See Table 1 for a list of all manufacturer's codes.*

*The second two characters (PB) are the granulation or caliber code. In this case, it would be for a 3"/50. See Table 2 for a list of all granulation/caliber codes.*

*The two numbers (29) identify the actual lot number.*

*The last five numbers, (10201) are the index number of the propellant.*

*The index number is the prime identifier for the propellant (not the lot number as with Army propellants). In Army Inventories you may see lot numbers for Navy propellant written as "SPCF-10201" as often the propellant type (SPCF) is combined with the Index number (10201) and used as a lot number. In addition, it may be written simply as "Index 10201".*

TABLE 1: Navy Manufacturer's Code

Code	Manufacturer
AD	Alabama Ordnance Works
AJD	Aerojet / Fullerton
ATJ	Alliant Technologies
BAJ	Badger Army Ammunition Plant
BH	Bangor Ordnance Works
BO	Badger Army Ammunition Plant
CA	Canadian Arsenal, LTD
CD	Indiana Army Ammunition Plant
CD	Indiana Ordnance Works
CHK	Chicasaw
CIL	Canadian Industries, LTD
CS	California Powder Co.
DS	Dupont Ordnance Works
GD	Gopher Ordnance Works (Du Pont)
HA	NAD Hastings
HCL	Hercules, Radford
HG	Gilespie (Hercules)
HIK	Hercules, Kenvil
HJA	Honeywell, Inc.
HK	Hercules, Kenvil
HPC	Hercules Powder Co.
HYC	Loral Hycor Inc.
IA	Indiana Army Ammunition Plant
IH	Indian Head (NPF, NPP, NOS, IHDIV)
IND	Indiana Army Ammunition Plant
IOW	Indiana Army Ammunition Plant
IS	International Powder Co.
KA	Kankokee Ordnance Works
LR	Laffin and Rand Co.
MA	Memphis

Code	Manufacturer
NC	National Canadian Defense Indus., Ltd
NETH	Netherlands
NO	Indian Head (NPF, NPP, NOS, IHDIV)
NOS	Indian Head (NPF, NPP, NOS, IHDIV)
NP	Indian Head (NPF, NPP, NOS, IHDIV)
NPF	Indian Head (NPF, NPP, NOS, IHDIV)
OD	Oklahoma Powder Works
OL	Olin / Marion
OL	Primex / Marion
OM	Olin / Mathieson
OM	Olin / Marion
OMF	Olin / St. Marks
OMF	Primex / St. Marks
PA	Picatinny Arsenal
PCE	Expro
PFC	Ford Aerospace & Communications
PPX	Propellex
RAD	Radford Army Ammunition Plant
RH	Radford Army Ammunition Plant
ROW	Radford Army Ammunition Plant
SH	Sunflower Ordnance Works
SJ	NAD St. Juliens Creek, VA
SM	Olin, St. Marks, FL
SUN	Sunflower Ordnance Works
TA	Picatinny Arsenal
TAN	Tracor
TS	Newport
VC	Defense Industries, Ltd
WC	Defense Industries, Ltd

Table 2: Navy Granulation/Caliber Codes

Code	Granulation/Caliber
25	25mm
30	30mm
A	4"/70, Mk III
AA	4"/50, Mk VII
AA	.22 cal. (Army)
AB	4"/50, Mk VIII
AC	4"/50, Mk IX
B	5"/40, Mk II
BA	5"/50, Mk IV
BB	5"/51, Mk VII
BB	.38 cal. (Army)
BC	5"/50, Mk VI
BD	5"/25
BE	5"/38
BF	5"/54
Br	5"/38 Reduced
Bx	5"
C	6"/40, 6"/44
CA	6"/50, Mk VI
CB	6"/50, Mk VIII
CC	6"/53
CC	.45 Cal. (Army)
CD	6"/47
D	8"/35, Mk III
DA	8"/40, Mk V
DB	8"/45 Mk VI
DD	8"/55
DD	12 ga. (Army)
DE	8"/55 Case
DG	8"/00
E	10"/30
EA	10"/40
EE	410 Gauge (Army)
F	12"/35
FA	12"/40
FB	12"/45
FC	12"/45, Mk VI
FD	12"/50
FF	.30 Cal. (Army)

Code	Granulation/Caliber
GG	.50 Cal. (Army)
H	14"/45
HA	14"/50
HH	90mm (Army)
I	16"/45, 2240# Proj.
IB	16"/45, 2700# Proj.
IC	16"/50
II	105mm (Army)
Ir	16" reduced charge
JJ	106mm (Army)
KK	120mm (Army)
LL	7.62mm (Army)
M	6"/50, Armstrong
MM	30mm (Army)
NN	155mm (Army)
PA	3"/23
PB	3"/50
PC	3"/70
PP	75mm (Army)
R	76 mm
RR	4.2" Mortar (Army)
S	6 Pounder
SS	.32 Cal. (Army)
T	3 Pounder
TA	75 mm
TT	81 mm
TT	81mm Mortar (Army)
U	40mm
UU	5.56mm (Army)
V	1 Pounder
VA	37 mm
VV	60mm Mortar
WW	9mm (Army)
X	7"/45
Y	1.1"/75
YY	175mm (Army)
Z	20 mm Deck-mount
ZA	20 mm Aircraft

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1145001038071	DX23	CHG PROP M197	M1
1145001406685	DX28	CHG PROP M206	M1
1145001406685	DX28	CHG PROP M206	M30
1145001406779	Z129	CHG PROP M207 (ZONE 3)	M30
1305000038803	A576	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000058005	A080	CTG 5.56MM BLK M200	WC814
1305000058006	A071	CTG 5.56MM BALL M193	WC844
1305000058007	A131	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
1305000075556	A216	CTG CAL .30 BALL M2	IMR-4895
1305000088894	A112	CTG 7.62MM BLK M82	WC818
1305000095568	A068	CTG 5.56MM TR M196	WC844
1305000095569	A068	CTG 5.56MM TR M196	WC844
1305000284547	A770	CTG 20MM 2 HEI M97/2 INC M96/1 AP-T M95	IMR-4879
1305000284548	A769	CTG 20MM 2 HEI M97/2 INC M96/1 AP-T M95	IMR-4879
1305000284549	A765	CTG 20MM AP-T M95	IMR-4879
1305000284550	A765	CTG 20MM AP-T M95	IMR-4879
1305000284551	A765	CTG 20MM AP-T M95	WC875
1305000284553	A765	CTG 20MM AP-T M95	IMR-4879
1305000286143	A181	CTG CAL .30 CARB BALL M1	WC820
1305000286144	A181	CTG CAL .30 CARB BALL M1	WC820
1305000286146	A181	CTG CAL .30 CARB BALL M1	WC820
1305000286150	A181	CTG CAL .30 CARB BALL M1	WC820
1305000286152	A181	CTG CAL .30 CARB BALL M1	WC820
1305000286153	A183	CTG CAL .30 CARB TR M16	WC820
1305000286157	A201	CTG CAL .30 AP M2	IMR-4895
1305000286159	A209	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
1305000286161	A202	CTG CAL .30 AP M2	IMR-4895
1305000286162	A201	CTG CAL .30 AP M2	IMR-4895
1305000286167	A203	CTG CAL .30 AP M2	IMR-4895
1305000286170	A205	CTG CAL .30 AP M2	IMR-4895
1305000286171	A205	CTG CAL .30 AP M2	IMR-4895
1305000286172	A205	CTG CAL .30 AP M2	IMR-4895
1305000286174	A209	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
1305000286176	A209	CTG CAL .30 4 AP M2/1 TR M25	IMR-4895
1305000286186	A207	CTG CAL .30 AP M2 LNKD M19A1	IMR-4895
1305000286189	A237	CTG CAL .30 HPT M1	IMR-4198
1305000286190	A212	CTG CAL .30 BALL M2	IMR-4895
1305000286192	A219	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
1305000286194	A217	CTG CAL .30 BALL M2	IMR-4895
1305000286195	A212	CTG CAL .30 BALL M2	IMR-4895
1305000286197	A211	CTG CAL .30 BALL M2	IMR-4895
1305000286199	A214	CTG CAL .30 BALL M2	IMR-4895
1305000286204	A214	CTG CAL .30 BALL M2	IMR-4895
1305000286206	A216	CTG CAL .30 BALL M2	IMR-4895
1305000286207	A216	CTG CAL .30 BALL M2	IMR-4895
1305000286208	A216	CTG CAL .30 BALL M2	IMR-4895
1305000286209	A217	CTG CAL .30 BALL M2	IMR-4895
1305000286210	A217	CTG CAL .30 BALL M2	IMR-4895



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305000286215	A216	CTG CAL .30 BALL M2	IMR-4895
1305000286219	A219	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
1305000286225	A217	CTG CAL .30 BALL M2	IMR-4895
1305000286229	A219	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
1305000286255	A238	CTG CAL .30 TR M1	IMR-4895
1305000286256	A238	CTG CAL .30 TR M1	IMR-4895
1305000286257	A230	CTG CAL .30 TR M1	IMR-4895
1305000286259	A231	CTG CAL .30 TR M25/M1 CTN PK	IMR-4895
1305000286261	A232	CTG CAL .30 TR M1	IMR-4895
1305000286263	A232	CTG CAL .30 TR M1	IMR-4895
1305000286265	A234	CTG CAL .30 TR M1	IMR-4895
1305000286266	A244	CTG CAL .30 TR M1	IMR-4895
1305000286267	A234	CTG CAL .30 TR M1	IMR-4895
1305000286276	A245	CTG CAL .30 TR M1	IMR-4895
1305000286277	A244	CTG CAL .30 TR M1	IMR-4895
1305000286279	A202	CTG CAL .30 API M14	IMR-4895
1305000286285	A230	CTG CAL .30 TR M25	IMR-4895
1305000286288	A230	CTG CAL .30 TR M25	IMR-4895
1305000286292	A575	CTG CAL .50 HPT M1	WC860
1305000286294	A525	CTG CAL .50 AP M2	WC860
1305000286295	A526	CTG CAL .50 AP M2	WC860
1305000286296	A525	CTG CAL .50 AP M2	WC860
1305000286298	A526	CTG CAL .50 AP M2	WC860
1305000286303	A527	CTG CAL .50 AP M2 LNKD M2	WC860
1305000286304	A527	CTG CAL .50 AP M2	WC860
1305000286305	A528	CTG CAL .50 AP M2	WC860
1305000286307	A528	CTG CAL .50 AP M2	WC860
1305000286309	A527	CTG CAL .50 AP M2	WC860
1305000286312	A527	CTG CAL .50 AP M2 LNKD M2	WC860
1305000286313	A528	CTG CAL .50 AP M2 LNKD M2	WC860
1305000286314	A527	CTG CAL .50 AP M2 LNKD M2	WC860
1305000286321	A527	CTG CAL .50 AP M2	WC860
1305000286331	A549	CTG CAL .50 2 AP M2/2 INC M1/1 TR M1	WC860
1305000286332	A550	CTG CAL .50 2 AP M2/2 INC M1/1 TR M1	WC860
1305000286333	A552	CTG CAL .50 BALL M2	WC860
1305000286335	A553	CTG CAL .50 BALL M2	WC860
1305000286336	A553	CTG CAL .50 BALL M2	WC860
1305000286337	A552	CTG CAL .50 BALL M2	WC860
1305000286339	A555	CTG CAL .50 BALL M2 LNKD	WC860
1305000286346	A612	CTG CAL .50 4 BALL M2/1 TR M17	WC860
1305000286355	A554	CTG CAL .50 BALL M2	WC860
1305000286357	A612	CTG CAL .50 4 BALL M2/1 TR M17	WC860
1305000286367	A554	CTG CAL .50 BALL M2	WC860
1305000286369	A554	CTG CAL .50 BALL M2	WC860
1305000286377	A558	CTG CAL .50 BLK M1	WC150
1305000286378	A559	CTG CAL .50 BLK M1 LNKD M10/M12	WC150
1305000286379	A559	CTG CAL .50 BLK M1 LNKD	WC150

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305000286380	A559	CTG CAL .50 BLK M1	WC150
1305000286447	A531	CTG CAL .50 API M8	WC860
1305000286448	A532	CTG CAL .50 API M8	WC860
1305000286449	A531	CTG CAL .50 API M8	WC860
1305000286451	A534	CTG CAL .50 API M8	WC860
1305000286453	A534	CTG CAL .50 API M8	WC860
1305000286454	A534	CTG CAL .50 API M8	WC860
1305000286457	A531	CTG CAL .50 API M8	WC860
1305000286458	A547	CTG CAL .50 1 API M8/1 INC M1	WC860
1305000286460	A532	CTG CAL .50 API M8	WC860
1305000286462	A549	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
1305000286464	A533	CTG CAL .50 API M8 LNKD	WC860
1305000286465	A549	CTG CAL .50 2 API M8/2 INC M1/1 TR M1	WC860
1305000286466	A576	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286468	A534	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286469	A592	CTG CAL .50 4 API M8/1 TR M1	WC860
1305000286470	A540	CTG CAL .50 4 API M8/1 TR M17	WC860
1305000286471	A540	CTG CAL .50 4 API M8/1 TR M1	WC860
1305000286473	A540	CTG CAL .50 4 API M8/1 TR M1	WC860
1305000286474	A533	CTG CAL .50 API M8	WC860
1305000286475	A533	CTG CAL .50 API M8 LNKD	WC860
1305000286476	A533	CTG CAL .50 API M8	WC860
1305000286477	A533	CTG CAL .50 API M8	WC860
1305000286478	A549	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
1305000286479	A534	CTG CAL .50 API M8	WC860
1305000286480	A533	CTG CAL .50 API M8	WC860
1305000286482	A549	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
1305000286483	A547	CTG CAL .50 1 API M8/1 INC M1	WC860
1305000286484	A551	CTG CAL .50 2 API M8/2 INC M1/1 API-T M20	WC860
1305000286485	A576	CTG CAL .50 3 API M8/1 API-T M20	WC860
1305000286486	A539	CTG CAL .50 3 API M8/1 TR M17	WC860
1305000286487	A539	CTG CAL .50 4 API M8/1 TR M17	WC860
1305000286488	A577	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286490	A576	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286491	A576	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286492	A541	CTG CAL .50 API-T M20	WC860
1305000286494	A541	CTG CAL .50 API-T M20	WC860
1305000286495	A542	CTG CAL .50 API-T M20	WC860
1305000286496	A543	CTG CAL .50 API-T M20	WC860
1305000286505	A549	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
1305000286507	A181	CTG CAL .30 CARB BALL M1	WC820
1305000286508	A182	CTG CAL .30 CARB BALL M1	WC820
1305000286509	A182	CTG CAL .30 CARB BALL M1	WC820
1305000286510	A184	CTG CAL .30 CARB TR M27 10/CLIP	WC820
1305000286513	A209	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
1305000286514	A209	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
1305000286516	A209	CTG CAL .30 4 AP M2/1 TR M25 LNKD M21	IMR-4895

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305000286517	A209	CTG CAL .30 4 AP M2/1 TR M25 LNKD M19A1	IMR-4895
1305000286519	A205	CTG CAL .30 AP M2	IMR-4895
1305000286520	A205	CTG CAL .30 AP M2	IMR-4895
1305000286521	A205	CTG CAL .30 AP M2	IMR-4895
1305000286522	A203	CTG CAL .30 AP M2	IMR-4895
1305000286526	A201	CTG CAL .30 AP M2	IMR-4895
1305000286527	A237	CTG CAL .30 HPT M1	IMR-4198
1305000286528	A185	CTG CAL .30 CARB HPT M18	WC820
1305000286529	A216	CTG CAL .30 BALL M2	IMR-4895
1305000286534	A214	CTG CAL .30 BALL M2	IMR-4895
1305000286535	A212	CTG CAL .30 BALL M2	IMR-4895
1305000286536	A211	CTG CAL .30 BALL M2	IMR-4895
1305000286537	A217	CTG CAL .30 BALL M2 LNKD M19	IMR-4895
1305000286542	A218	CTG CAL .30 4 BALL M2/1 TR M25	IMR-4895
1305000286545	A205	CTG CAL .30 API M14	IMR-4895
1305000286546	A209	CTG CAL .30 4 API M14/1 TR M25 LNKD M19	IMR-4895
1305000286547	A209	CTG CAL .30 4 API M14/1 TR M25 LNKD M19	IMR-4895
1305000286549	A230	CTG CAL .30 TR M25	IMR-4895
1305000286550	A231	CTG CAL .30 TR M25	IMR-4895
1305000286551	A236	CTG CAL .30 TR M25	IMR-4895
1305000286552	A234	CTG CAL .30 TR M25	IMR-4895
1305000286562	A530	CTG CAL .50 4 AP M2/1 TR M17	WC860
1305000286566	A552	CTG CAL .50 BALL M33	WC860
1305000286570	A601	CTG CAL .50 BALL M33	WC860
1305000286573	A601	CTG CAL .50 BALL M33	WC860
1305000286574	A555	CTG CAL .50 BALL M33 LNKD	WC860
1305000286575	A601	CTG CAL .50 BALL M33	WC860
1305000286582	A621	CTG CAL .50 4 BALL M33/1 TR M17	WC860
1305000286583	A557	CTG CAL .50 4 BALL M33/1 TR M17 LNKD M9	WC860
1305000286587	A557	CTG CAL .50 4 BALL M33/1 TR M17	WC860
1305000286588	A533	CTG CAL .50 API M8	WC860
1305000286590	A533	CTG CAL .50 API M8	WC860
1305000286591	A534	CTG CAL .50 API M8	WC860
1305000286592	A533	CTG CAL .50 API M8	WC860
1305000286593	A534	CTG CAL .50 API M8	WC860
1305000286594	A564	CTG CAL .50 INC M1	WC860
1305000286596	A547	CTG CAL .50 1 API M8/1 INC M1	WC860
1305000286598	A541	CTG CAL .50 API-T M20	WC860
1305000286600	A543	CTG CAL .50 API-T M20	WC860
1305000286601	A543	CTG CAL .50 API-T M20	WC860
1305000286603	A576	CTG CAL .50 4 API M8/1 API-T M20 LNKD	WC860
1305000286604	A577	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286605	A577	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305000286611	A574	CTG CAL .50 SPOTTER TR M48	IMR-4831
1305000391068	A741	CTG 20MM BL&T	SPDN
1305000551282	A747	CTG 20MM 4 HEI M97/1 AP-T M95	IMR-4879
1305000571876	A066	CTG 5.56MM BALL M193	WC844

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305000574187	A231	CTG CAL .30 TR M25	IMR-4895
1305000579578	A238	CTG CAL .30 TR M1	IMR-4895
1305000635747	A201	CTG CAL .30 AP M2	IMR-4895
1305000642896	A136	CTG 7.62MM NATO SPEC BALL M118	IMR-4895
1305000646549	A066	CTG 5.56MM BALL M193	WC844
1305000678069	A593	CTG CAL .50 4 AP M2/1 TR M17	WC860
1305000690869	A066	CTG 5.56MM BALL M193	WC844
1305000788220	A654	CTG 20MM 7 TP M55A2/1 TP-T M220 LNKD	WC872
1305000933030	A531	CTG CAL .50 API M8	WC860
1305000933031	A532	CTG CAL .50 API M8	WC860
1305000933036	A552	CTG CAL .50 BALL M2	WC860
1305000933048	A558	CTG CAL .50 BLK M1	WC150
1305000963140	A205	CTG CAL .30 AP M2	IMR-4895
1305000963141	A527	CTG CAL .50 AP M2	WC860
1305000963150	A212	CTG CAL .30 BALL M2	IMR-4895
1305000963152	A234	CTG CAL .30 TR M1	IMR-4895
1305001027902	A182	CTG CAL .30 CARB BALL M1	WC820
1305001263852	A575	CTG CAL .50 HPT M1	WC860
1305001263853	A230	CTG CAL .30 TR M25	IMR-4895
1305001263860	A201	CTG CAL .30 AP M2	IMR-4895
1305001283856	A205	CTG CAL .30 AP M2	IMR-4895
1305001323283	A891	CTG 20MM TP M55A2	WC872
1305001395923	A672	CTG 20MM 1 AP-T M95/4 TP M204 LNKD M10	WC875
1305001437034	A653	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC870
1305001437034	A653	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC872
1305001437049	A814	CTG 20MM 2 AP-T M95/2 INC M96	IMR-4879
1305001437050	A813	CTG 20MM 2 AP-T M95/2 INC M96	IMR-4879
1305001437151	A231	CTG CAL .30 TR M1	IMR-4895
1305001437163	A131	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
1305001437176	A835	CTG 20MM 2 HEI M210/3 INC M96	WC875
1305001438486	A163	CTG 7.62MM 9 BALL M80/1 TR M276	WC846
1305001445527	A852	CTG 20MM HEI M56A3	WC870
1305001445527	A852	CTG 20MM HEI M56A3	WC872
1305001445545	A894	CTG 20MM TP M55A2	WC872
1305001472989	A130	CTG 7.62MM NATO BALL M80	IMR-4475
1305001472989	A130	CTG 7.62MM NATO BALL M80	WC846
1305001522859	A792	CTG 20MM HEI-T SD M246	WC872
1305001523292	A168	CTG 7.62MM 9 BALL M80/1 TR M62	WC846
1305001523659	A792	CTG 20MM HEI-T SD M246 LNKD M14A2	WC872
1305001523660	A655	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC870
1305001523660	A655	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC872
1305001530269	A574	CTG CAL .50 SPOTTER TR M48	IMR-4831
1305001574886	A652	CTG 20MM TP-T M220 ELECT	WC872
1305001598593	A131	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
1305001666371	A111	CTG 7.62MM BLK M82 LNKD M13	WC818
1305001691782	A670	CTG 20MM TP M55A2	WC872
1305001691784	A896	CTG 20MM 4 TP M55A2/1 TP-T M220 LNKD M14A2	WC872

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305001691880	A660	CTG 20MM HEI M56A3	WC870
1305001691880	A660	CTG 20MM HEI M56A3	WC872
1305001809268	A926	CTG 20MM TP M55A2	WC872
1305001809271	A834	CTG 20MM 2 HEI M210/1 INC M96/2 AP-T M95	IMR-4879
1305001809271	A834	CTG 20MM 2 HEI M210/1 INC M96/2 AP-T M95	WC875
1305001823081	A919	CTG 20MM HEI M56A3	WC870
1305001823081	A919	CTG 20MM HEI M56A3	WC872
1305001823157	A663	CTG 20MM 9 HEI M56A3/1 HEI-T M242 LNKD MK7	WC870
1305001823157	A663	CTG 20MM 9 HEI M56A3/1 HEI-T M242 LNKD MK7	WC872
1305001823158	A664	CTG 20MM 9 TP M56A2/1 TP-T M220	WC872
1305001823217	A080	CTG 5.56MM BLK M200	WC814
1305001823250	A665	CTG 20MM 4 HEI M56A3/1 HEI-T M242 LNKD MK14	WC870
1305001823250	A665	CTG 20MM 4 HEI M56A3/1 HEI-T M242 LNKD MK14	WC872
1305001823254	A667	CTG 20MM 9 TP M55A2/1 TP-T M220 LNKD M14A2	WC872
1305002095139	A127	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
1305002216466	A785	CTG 20MM HEI M210	WC875
1305002314630	A130	CTG 7.62MM NATO BALL M80	IMR-4475
1305002314630	A130	CTG 7.62MM NATO BALL M80	WC846
1305002500200	A855	CTG 20MM 4 INC M96/1 AP-T M95	IMR-4879
1305002571088	A216	CTG CAL .30 BALL M2	IMR-4895
1305002571089	A143	CTG 7.62MM NATO BALL M80	WC846
1305002624181	A890	CTG 20MM HEI M56A2	WC870
1305002896800	A214	CTG CAL .30 BALL M2	IMR-4895
1305003011605	A216	CTG CAL .30 BALL M2	IMR-4895
1305003011613	A209	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
1305003011642	A562	CTG CAL .50 INC M1	WC860
1305003011643	A562	CTG CAL .50 INC M1	WC860
1305003011644	A563	CTG CAL .50 INC M1	WC860
1305003011647	A551	CTG CAL .50 2 API M8/2 INC M1/1 API-T M20	WC860
1305003011661	A182	CTG CAL .30 CARB BALL M1	WC820
1305003011662	A182	CTG CAL .30 CARB BALL M1	WC820
1305003011663	A184	CTG CAL .30 CARB TR M27	WC820
1305003011664	A205	CTG CAL .30 AP M2 CLIP M8	IMR-4895
1305003011665	A216	CTG CAL .30 BALL M2	IMR-4895
1305003011669	A234	CTG CAL .30 TR M25	IMR-4895
1305003011679	A124	CTG 7.62MM TR M62	WC846
1305003050892	A238	CTG CAL .30 TR M1	IMR-4895
1305003050894	A564	CTG CAL .50 INC M23	IMR-4831
1305003050904	A237	CTG CAL .30 HPT M1	IMR-4198
1305003050907	A238	CTG CAL .30 TR M1	IMR-4895
1305003050908	A230	CTG CAL .30 TR M25	IMR-4895
1305003050909	A122	CTG 7.62MM BALL M59	IMR-4475
1305003050909	A122	CTG 7.62MM BALL M59	WC846
1305003050910	A544	CTG CAL .50 API-T M20	WC860
1305003085569	A892	CTG 20MM HPT M54A1	WC870
1305003085759	A207	CTG CAL .30 AP M2 LNKD M19A1	IMR-4895
1305003085793	A203	CTG CAL .30 AP M2	IMR-4895

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305003102817	A230	CTG CAL .30 TR M25/M1 CTN PK	IMR-4895
1305003102822	A211	CTG CAL .30 BALL M2	IMR-4895
1305003102830	A205	CTG CAL .30 AP M2	IMR-4895
1305003415129	A111	CTG 7.62MM BLK M82	WC818
1305003442394	A533	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305004011536	A792	CTG 20MM HEI-T SD M246 LNKD M14A1	WC872
1305004165813	B116	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
1305004426532	A770	CTG 20MM 2 HEI M97/2 INC M96/1 AP-T M95	IMR-4879
1305004498055	A131	CTG 7.62MM 4 BALL M59/M80/1 TR M62	IMR-4475
1305004498055	A131	CTG 7.62MM 4 BALL M59/M80/1 TR M62	WC846
1305004498068	A131	CTG 7.62MM 4 BALL M59/M80/1 TR M62 LNKD M13	IMR-4475
1305004498068	A131	CTG 7.62MM 4 BALL M59/M80/1 TR M62 LNKD M13	WC846
1305004707521	A596	CTG CAL .50 4 AP M2/1 TR M1/M10/M17	WC860
1305004970120	A662	CTG 20MM HEI M56 LNKD MK7	WC870
1305004970120	A662	CTG 20MM HEI M56 LNKD MK7	WC872
1305004970121	A661	CTG 20MM TP M55 LNKD MK7 MOD1	WC872
1305005161425	A765	CTG 20MM AP-T M95	IMR-4879
1305005223700	A651	CTG 20MM TP-T M220 ELECT	WC872
1305005223701	A652	CTG 20MM TP-T M220 ELECT	WC872
1305005223707	A655	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC870
1305005223707	A655	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC872
1305005290591	A127	CTG 7.62MM 4 BALL M59/1 TR M62	IMR-4475
1305005290591	A127	CTG 7.62MM 4 BALL M59/1 TR M62	WC846
1305005407209	A202	CTG CAL .30 AP M2	IMR-4895
1305005407495	A551	CTG CAL .50 2 API M8/2 API-T M20/1 INC M1	WC860
1305005409132	A181	CTG CAL .30 CARB BALL M1	WC820
1305005409461	A212	CTG CAL .30 BALL M2	IMR-4895
1305005409472	A219	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
1305005409478	A209	CTG CAL .30 BALL M2/TR M1	IMR-4895
1305005409481	A231	CTG CAL .30 TR M1	IMR-4895
1305005409645	A577	CTG CAL .50 3 API M8/1 API-T M20	WC860
1305005409646	A211	CTG CAL .30 BALL M2	IMR-4895
1305005410062	A551	CTG CAL .50 1 API M8/1 API-T M20/1 INC M1	WC860
1305005410196	none	CTG CAL .30 TR M1	IMR-4895
1305005420405	A891	CTG 20MM TP M55A2	WC872
1305005420406	A890	CTG 20MM HEI M56A1	WC870
1305005421119	A201	CTG CAL .30 AP M2	IMR-4895
1305005421120	A919	CTG 20MM HEI M56A1	WC870
1305005421219	A130	CTG 7.62MM NATO BALL M80	IMR-4475
1305005421219	A130	CTG 7.62MM NATO BALL M80	WC846
1305005421967	A128	CTG 7.62MM NATO BALL M80	WC846
1305005421968	A128	CTG 7.62MM NATO BALL M80	WC846
1305005421992	A120	CTG 7.62MM NATO AP M61	IMR-4475
1305005421992	A120	CTG 7.62MM NATO AP M61	WC846
1305005455611	A212	CTG CAL .30 BALL M2	IMR-4895
1305005465830	A247	CTG CAL .30 MATCH M72	IMR-4895
1305005541333	A181	CTG CAL .30 CARB BALL M1 (STEEL CASE)	WC820

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305005541335	A182	CTG CAL .30 CARB BALL M1	WC820
1305005554055	A545	CTG CAL .50 API M8	WC860
1305005554056	A584	CTG CAL .50 BALL M33 LNKD	WC860
1305005554057	A545	CTG CAL .50 API M8	WC860
1305005554059	A545	CTG CAL .50 API M8	WC860
1305005554066	A546	CTG CAL .50 BALL M2	WC860
1305005554272	A546	CTG CAL .50 BALL M2	WC860
1305005556776	A205	CTG CAL .30 AP M2	IMR-4895
1305005556779	A214	CTG CAL .30 BALL M2	IMR-4895
1305005556780	A216	CTG CAL .30 BALL M2	IMR-4895
1305005556783	A552	CTG CAL .50 BALL M2	WC860
1305005557011	A181	CTG CAL .30 CARB BALL M1	WC820
1305005557053	A531	CTG CAL .50 API M8	WC860
1305005557061	A525	CTG CAL .50 AP M2	WC860
1305005557075	A541	CTG CAL .50 API-T M20	WC860
1305005557738	A212	CTG CAL .30 BALL M2	IMR-4895
1305005652636	A246	CTG CAL .30 MATCH M72	IMR-4895
1305005800131	A129	CTG 7.62MM NATO HPT M60	IMR-4475
1305005851667	A587	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305005854379	A211	CTG CAL .30 BALL M2	IMR-4895
1305005854380	A526	CTG CAL .50 AP M2	WC860
1305005854387	A532	CTG CAL .50 API M8	WC860
1305005854389	A553	CTG CAL .50 BALL M2	WC860
1305005854390	A553	CTG CAL .50 BALL M33	WC860
1305005854392	A563	CTG CAL .50 INC M23	IMR-4831
1305005854400	A181	CTG CAL .30 CARB BALL M1	WC820
1305005854401	A202	CTG CAL .30 AP M2	IMR-4895
1305005855191	A552	CTG CAL .50 BALL M33	WC860
1305005855192	A542	CTG CAL .50 API-T M20	WC860
1305005855193	A541	CTG CAL .50 API-T M20	WC860
1305005855194	A541	CTG CAL .50 API-T M20	WC860
1305005855368	A546	CTG CAL .50 BALL M2	WC860
1305006894709	A589	CTG CAL .50 4 API M8/1 API-T M20 LNKD	WC860
1305006894735	A588	CTG CAL .50 4 BALL M33/1 TR M1 OR M10 OR M17	WC860
1305006894738	A590	CTG CAL .50 4 API M8/1 TR M17	WC860
1305006894752	A593	CTG CAL .50 4 AP M2/1 TR M1/M10/M17	WC860
1305006991382	A891	CTG 20MM TP M55A1	IMR-4903
1305007244089	A777	CTG 20MM TP M204	WC875
1305007527596	A146	CTG 7.62MM TR M62 LNKD M13	WC846
1305007527638	A587	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305007527891	A589	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305007528040	A587	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305007528087	A111	CTG 7.62MM BLK M82 LNKD M13	WC818
1305007528088	A110	CTG 7.62MM BLK M82	WC818
1305007528114	A891	CTG 20MM TP M55A2	WC872
1305007528833	A953	CTG 20MM HEI M56A1	WC870
1305007561675	A889	CTG 20MM TP M55A2	WC872



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305007648386	A520	CTG CAL .50 4 BALL M33/1 TR M17 LNKD M15A2	WC860
1305007648436	A080	CTG 5.56MM BLK M200	WC814
1305007661147	A769	CTG 20MM 1 HEI M97/1 INC M96/1 AP-T M95	IMR-4879
1305007731257	A066	CTG 5.56MM BALL M193	WC844
1305007835482	A658	CTG 20MM 7 HEI M56A3/1 HEI-T M242 LNKD	WC870
1305007835482	A658	CTG 20MM 7 HEI M56A3/1 HEI-T M242 LNKD	WC872
1305007852829	A651	CTG 20MM TP-T M220 ELECT	WC872
1305007852848	A652	CTG 20MM TP-T M220 ELECT	WC872
1305007902597	A209	CTG CAL .30 4 AP M2/1 TR M25 LNKD M21	IMR-4895
1305008144607	A201	CTG CAL .30 AP M2	IMR-4895
1305008144608	A201	CTG CAL .30 AP M2	IMR-4895
1305008190250	A214	CTG CAL .30 BALL M2	IMR-4895
1305008240825	A200	CTG CAL .30 M2 OHF LNKD M19A1	IMR-4895
1305008288907	A140	CTG 7.62MM TR M62	WC846
1305008463759	A219	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
1305008494535	A918	CTG 20MM API M53	WC872
1305008503676	A919	CTG 20MM HEI M56A2	WC870
1305008503986	A918	CTG 20MM API M53	WC872
1305008825677	A112	CTG 7.62MM BLK M82	WC818
1305008825678	A124	CTG 7.62MM TR M62	WC846
1305008892042	A852	CTG 20MM HEI M56A3	WC870
1305008892042	A852	CTG 20MM HEI M56A3	WC872
1305008892043	A953	CTG 20MM HEI M56A3	WC870
1305008892043	A953	CTG 20MM HEI M56A3	WC872
1305008892168	A152	CTG 7.62MM NATO BALL M80 OHF	IMR-4475
1305008892168	A152	CTG 7.62MM NATO BALL M80 OHF	WC846
1305008892169	A151	CTG 7.62MM 4 BALL M80/1 TR M62 OHF	IMR-4475
1305008892169	A151	CTG 7.62MM 4 BALL M80/1 TR M62 OHF	WC846
1305008921562	A216	CTG CAL .30 BALL M2	IMR-4895
1305008922150	A131	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
1305008922161	A894	CTG 20MM TP M55A2	WC872
1305008922162	A953	CTG 20MM HEI M56A2	WC870
1305008922330	A143	CTG 7.62MM NATO BALL M80 LNKD	WC846
1305008922335	A146	CTG 7.62MM TR M62 LNKD M13	WC846
1305008924152	A122	CTG 7.62MM NATO BALL M80	WC846
1305008924157	A247	CTG CAL .30 MATCH M72	IMR-4895
1305008924211	A145	CTG 7.62MM TR M62 5/CLIP	WC846
1305008924242	A147	CTG 7.62MM BALL FRANGIBLE M160	WC140
1305008924321	A919	CTG 20MM HEI M56A3	WC870
1305008924321	A919	CTG 20MM HEI M56A3	WC872
1305008926155	A122	CTG 7.62MM BALL M59/M80	IMR-4475
1305008926155	A122	CTG 7.62MM BALL M59/M80	WC846
1305009117272	A765	CTG 20MM AP-T M95	IMR-4879
1305009144675	A130	CTG 7.62MM NATO BALL M80	WC846
1305009144676	A122	CTG 7.62MM NATO BALL M80	WC846
1305009144719	A068	CTG 5.56MM TR M196	WC844
1305009263929	A072	CTG 5.56MM TR M196	WC844



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305009263930	A071	CTG 5.56MM BALL M193	WC844
1305009263933	A201	CTG CAL .30 AP M2	IMR-4895
1305009263942	A165	CTG 7.62MM 4 BALL M80/1 TR M62 LNKD M13	WC846
1305009263963	A181	CTG CAL .30 CARB BALL M1	WC820
1305009263970	A066	CTG 5.56MM BALL M193	WC844
1305009264017	A140	CTG 7.62MM TR M62	WC846
1305009264058	A655	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC870
1305009264058	A655	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC872
1305009264059	A656	CTG 20MM 7 TP M55A2/I TP-T M220 LNKD	WC872
1305009269279	A792	CTG 20MM HEI-T SD M246 LNKD M14A1	WC872
1305009269302	A080	CTG 5.56MM BLK M200	WC814
1305009269421	A896	CTG 20MM 4 TP M55A2/1 TP-T M220 LNKD M14A1	WC872
1305009269436	A136	CTG 7.62MM NATO SPEC BALL M118	IMR-4895
1305009269436	A136	CTG 7.62MM NATO SPEC BALL M118	WC750
1305009269436	A136	CTG 7.62MM NATO SPEC BALL M118	WC846
1305009351942	A919	CTG 20MM HEI M56A3	WC870
1305009351942	A919	CTG 20MM HEI M56A3	WC872
1305009351944	A889	CTG 20MM TP M55A2	WC872
1305009352017	A540	CTG CAL .50 4 API M8/1 TR M17 LNKD	WC860
1305009352019	A892	CTG 20MM HPT M54A1	WC870
1305009352109	A605	CTG CAL .50 BALL M33	WC860
1305009356037	A131	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
1305009356059	A852	CTG 20MM HEI M56A3	WC870
1305009356059	A852	CTG 20MM HEI M56A3	WC872
1305009356060	A894	CTG 20MM TP M55A2	WC872
1305009356171	A659	CTG 20MM HEI-T M242	WC872
1305009356188	A653	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC870
1305009356188	A653	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC872
1305009359104	A890	CTG 20MM HEI M56A3	WC870
1305009359104	A890	CTG 20MM HEI M56A3	WC872
1305009359247	A164	CTG 7.62MM NATO BALL M80	WC846
1305009359253	A073	CTG 5.56MM 4 BALL M193/1 TR M196	WC844
1305009359289	A166	CTG 7.62MM NATO BALL M80 OVHD FIRE	IMR-4475
1305009359289	A166	CTG 7.62MM NATO BALL M80 OVHD FIRE	WC846
1305009359290	A167	CTG 7.62MM NATO TR M62 OHF	WC846
1305009359298	A230	CTG CAL .30 TR M25	IMR-4895
1305009650559	A926	CTG 20MM TP M55A2	WC872
1305009650560	A919	CTG 20MM HEI M56A3 LNKD	WC870
1305009650560	A919	CTG 20MM HEI M56A3 LNKD	WC872
1305009650601	A149	CTG 7.62MM NATO BALL M80	WC846
1305009650748	A777	CTG 20MM TP M204	WC875
1305009650775	A066	CTG 5.56MM BALL M193	WC844
1305009650812	A648	CTG 7.62MM NATO BALL M80	WC846
1305009650832	A068	CTG 5.56MM TR M196	WC844
1305009650873	A773	CTG 20MM TP M204	WC875
1305009650874	A773	CTG 20MM TP M204	WC875
1305009685892	A066	CTG 5.56MM BALL M193	WC844

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305010001351	A531	CTG CAL .50 API M8	WC860
1305010032461	A862	CTG 20MM 4 HEI M210/1 AP-T M95	WC875
1305010100258	A700	CTG 20MM TP M55A2	WC872
1305010116324	A701	CTG 20MM HEI M56A3 LNKD	WC870
1305010116324	A701	CTG 20MM HEI M56A3 LNKD	WC872
1305010156185	A071	CTG 5.56MM BALL M193	WC844
1305010181547	A191	CTG CAL .30 MATCH M72	IMR-4895
1305010231907	B116	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
1305010231908	B104	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
1305010564907	B103	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
1305010577912	B117	CTG 30MM API PGU-14A/B (HONEYWELL)	SPDN
1305010577913	B117	CTG 30MM API PGU 14-A/B OR B/B	SPDN
1305010577914	B116	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
1305010592594	B116	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
1305010612213	A857	CTG 20MM 7 TP M55A2/1 TP-T M220	WC872
1305010632168	B104	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
1305010805376	B117	CTG 30MM API PGU-14B/B (AEROJET)	SPDN
1305010835998	B103	CTG 30MM 5 API PGU-14B/B/1 HEI PGU-13/B	SPDN
1305010920429	A976	CTG 25MM TP-T M793	HC 36FS
1305010920429	A976	CTG 25MM TP-T M793	WC890
1305010933338	B116	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
1305010933339	B104	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
1305010933340	B103	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
1305010939568	B116	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
1305010941035	A975	CTG 25MM HEI-T M792	WC890
1305010947016	A975	CTG 25MM HEI-T M792	WC890
1305010950248	A976	CTG 25MM TP-T M793	HC 36FS
1305010950248	A976	CTG 25MM TP-T M793	WC890
1305010951062	B103	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
1305010989652	A143	CTG 7.62MM NATO BALL M80	WC846
1305011096985	B104	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
1305011132462	B103	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
1305011163924	A792	CTG 20MM HEIT-SD M246A1 LNKD M14A2	WC872
1305011163925	A792	CTG 20MM HEIT-SD M246A1 LNKD M14A2	WC872
1305011163927	A666	CTG 20MM 10 HEI M56A4/1 HEI-T M242A1	WC872
1305011163930	A892	CTG 20MM HPT M54A1	WC870
1305011163931	A890	CTG 20MM HEI M56A3	WC870
1305011163931	A890	CTG 20MM HEI M56A3	WC872
1305011163932	A655	CTG 20MM 4 HEI M56A4/1 TP-T M220 LNKD M14A2	WC872
1305011163933	A852	CTG 20MM HEI M56A4	WC872
1305011163935	A701	CTG 20MM HEI M56A4	WC872
1305011164560	A891	CTG 20MM TP M55A2	WC872
1305011169529	A665	CTG 20MM 4 HEI M56/1 HEI-T M242A1	WC872
1305011175316	A890	CTG 20MM HEI M56A3	WC870
1305011175316	A890	CTG 20MM HEI M56A3	WC872
1305011189928	A890	CTG 20MM HEI M56A4	WC872
1305011189929	A659	CTG 20MM HEI-T M242A1	WC872

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305011189930	A651	CTG 20MM TP-T M220 ELECT	WC872
1305011196068	A919	CTG 20MM HEI M56A4	WC872
1305011198548	A891	CTG 20MM TP M55A2	WC872
1305011200970	A171	CTG 7.62MM MATCH M852	IMR-4895
1305011200970	A171	CTG 7.62MM MATCH M852	WC750
1305011317822	A523	CTG CAL .50 4 API M8/1 API-T M20	WC860
1305011352582	A653	CTG 20MM 4 HEI M56A4/1 TP-T M220 LNKD M14A2	WC872
1305011363622	A978	CTG 25MM TP PGU-23/U	WC890
1305011363623	A979	CTG 25MM API PGU-20/U	WC890
1305011363624	A980	CTG 25MM HEI PGU-22/U	WC890
1305011408530	B116	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
1305011416054	B116	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
1305011438592	A067	CTG 5.56MM TR M196	WC844
1305011449301	B104	CTG 30MM HEI PGU-13 A/B (AEROJET)	SPDN
1305011461530	B103	CTG 30MM 5 API PGU-14B/B/1 HEI PGU-13A/B	SPDN
1305011531799	A661	CTG 20MM TP M55 LNKD MK7 MOD1	WC872
1305011555455	A058	CTG 5.56MM BALL M855	WC844
1305011555457	A063	CTG 5.56MM TR M856	WC844T
1305011555457	A063	CTG 5.56MM TR M856	WCR 845
1305011555458	A058	CTG 5.56MM BALL M855	WCR 845
1305011555459	A059	CTG 5.56MM BALL M855	WC844
1305011555459	A059	CTG 5.56MM BALL M855	WCR 845
1305011555461	A062	CTG 5.56MM BALL M855	WC844
1305011555461	A062	CTG 5.56MM BALL M855	WCR 845
1305011555462	A059	CTG 5.56MM BALL M855	WC844
1305011555462	A059	CTG 5.56MM BALL M855	WCR 845
1305011555463	A075	CTG 5.56MM BLK M200 LNKD	WC814
1305011555464	A075	CTG 5.56MM BLK M200 LNKD M27	WC814
1305011567584	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844
1305011567584	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844T
1305011567584	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WCR 845
1305011572627	B103	CTG 30MM 5 API PGU-14B/B/1 HEI PGU-13A/B	SPDN
1305011610621	B104	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
1305011610622	B103	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
1305011610623	B104	CTG 30MM HEI PGU-13 A/B (AEROJET)	SPDN
1305011663932	A665	CTG 20MM 4 HEI M56/1 HEI-T M242A1	WC872
1305011749277	A062	CTG 5.56MM BALL M855	WC844
1305011749277	A062	CTG 5.56MM BALL M855	WCR 845
1305011749278	A075	CTG 5.56MM BLK M200	WC814
1305011811750	A111	CTG 7.62MM BLK M82 LNKD M13	WC818
1305011982191	A981	CTG 25MM HEI-T MK210	HC 36FS
1305011982191	A981	CTG 25MM HEI-T MK210	WC890
1305011996737	A982	CTG 25MM HEI (M5) PGU-25/U W/O TR	HC 36
1305012094292	A701	CTG 20MM HEI M56A2	WC870
1305012099081	A890	CTG 20MM HEI M56A2	WC870
1305012106802	A978	CTG 25MM TP PGU-23/U	HC 36
1305012112581	A981	CTG 25MM HEI-T MK210	HC 36FS

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305012112581	A981	CTG 25MM HEI-T MK210	WC890
1305012116248	A890	CTG 20MM HEI M56A1	WC870
1305012118360	A975	CTG 25MM HEI-T M792	WC890
1305012125066	A976	CTG 25MM TP-T M793	HC 36FS
1305012125066	A976	CTG 25MM TP-T M793	WC890
1305012139656	A678	CTG 20MM TP PGU-27/B	WC867
1305012139657	A679	CTG 20MM TP-T PGRU-30/B	WC867
1305012139658	A677	CTG 20MM SAP HEI PGU-28/B	WC867
1305012197970	A983	CTG 25MM API PGU-20/U LINKED	WC890
1305012315892	A772	CTG 20MM TP PGU-27/B	WC867
1305012496888	A607	CTG CAL .50 4 API MK211 MOD0/1 API-T M20	WC860
1305012500100	A982	CTG 25MM HEI (M5) PGU-25/U W/O TR	HC 36
1305012500101	A978	CTG 25MM TP PGU-23/U	HC 36
1305012508162	A606	CTG CAL .50 API MK211 MOD0	WC860
1305012512581	A608	CTG CAL .50 4 API MK211 MOD0/1 TR M17	WC860
1305012512582	A979	CTG 25MM API PGU-20/U	WC890
1305012517837	A862	CTG 20MM 4 HEI M210/1 AP-T M95	WC875
1305012520153	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844
1305012520153	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844T
1305012520153	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WCR 845
1305012529814	A672	CTG 20MM 1 AP-T M95/4 TP M204 LNKD M10	WC875
1305012556276	A071	CTG 5.56MM BALL M193	WC844
1305012588692	A062	CTG 5.56MM BALL M855 LNKD M27	WC844
1305012588692	A062	CTG 5.56MM BALL M855 LNKD M27	WCR 845
1305012588693	A072	CTG 5.56MM TR M196	WC844
1305012588694	A075	CTG 5.56MM BLK M200 LNKD	WC814
1305012702318	A982	CTG 25MM HEI (M5) PGU-25A/U W/O TR	HC 36
1305012717782	A981	CTG 25MM HEI-T MK210	HC 36FS
1305012717782	A981	CTG 25MM HEI-T MK210	WC890
1305012740213	A112	CTG 7.62MM BLK M82	WC818
1305012740215	A080	CTG 5.56MM BLK M200	WC814
1305012884978	A692	CTG 20MM APDS MK149 MOD4	WC867
1305012932132	A063	CTG 5.56MM TR M856	WC844T
1305012932132	A063	CTG 5.56MM TR M856	WCR 845
1305012991674	A976	CTG 25MM TP-T M793	HC 36FS
1305012991674	A976	CTG 25MM TP-T M793	WC890
1305013257036	A988	CTG 25MM HEI-T M792	HC 36FS
1305013257036	A988	CTG 25MM HEI-T M792	WC890
1305013309494	A762	CTG 20MM 4 PGU-28/B/1 PGU-30/B	WC867
1305013338476	A989	CTG 25MM TP-T M793	HC 36FS
1305013338476	A989	CTG 25MM TP-T M793	WC890
1305013509580	A450	CTG 20MM 4 TP PGU-27/B/1 TP-T PGU-30/B	WC867
1305013533274	A111	CTG 7.62MM BLK M82 LNKD M13	WC818
1305013540739	A080	CTG 5.56MM BLK M200	WC814
1305013560188	A975	CTG 25MM HEI-T M792	HC 36FS
1305013560188	A975	CTG 25MM HEI-T M792	WC890
1305013560189	A976	CTG 25MM TP-T M793	HC 36FS

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1305013560189	A976	CTG 25MM TP-T M793	WC890
1305013618038	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844
1305013618038	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844T
1305013618038	A064	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WCR 845
1305013637560	A062	CTG 5.56MM BALL M855	WC844
1305013637560	A062	CTG 5.56MM BALL M855	WCR 845
1305013672911	A941	CTG 25MM HEI PGU-38/U	WC890
1305013702594	A557	CTG CAL .50 4 BALL M33/1 TR M17 LNKD M9	WC860
1305013805862	A976	CTG 25MM TP-T M793	HC 36FS
1305013805862	A976	CTG 25MM TP-T M793	WC890
1305013809803	A257	CTG 7.62MM 9 BALL M80/1 TR M276	WC846
1305013809884	A975	CTG 25MM HEI-T M792	HC 36FS
1305013809884	A975	CTG 25MM HEI-T M792	WC890
1305013809975	A255	CTG 7.62MM 4 BALL M80/1 TR M276	WC846
1305013907977	A978	CTG 25MM TP PGU-23/U	HC 36
1305013907978	A982	CTG 25MM HEI PGU-25/U	HC 36FS
1305013907978	A982	CTG 25MM HEI PGU-25/U	WC890
1305013937052	AA02	CTG 5.56 MM TR M856	WC844T
1305013937052	AA02	CTG 5.56 MM TR M856	WCR 845
1305013981449	AA04	CTG 7.62 MM NATO TR M62	WC846
1305013983492	A975	CTG 25MM HEI-T M792	HC 36FS
1305013983492	A975	CTG 25MM HEI-T M792	WC890
1305014003115	A976	CTG 25MM TP-T M793	HC 36FS
1305014003115	A976	CTG 25MM TP-T M793	WC890
1305014116098	AA08	CTG 5.56MM BALL M855	WC844
1305014116098	AA08	CTG 5.56MM BALL M855	WCR 845
1305014198202	AA11	CTG 7.62MM NATO SPEC BALL M118	WC750
1305014198202	AA11	CTG 7.62MM NATO SPEC BALL M118	WC846
1305014574589	AA33	CTG 5.56MM BALL M855	WC844
1305014574589	AA33	CTG 5.56MM BALL M855	WCR 845
1305014642541	AA41	CTG CAL .50 API MK211 MOD1	WC860
1305014673008	AA48	CTG 5.56MM BALL M855	WC844
1305014673026	AA44	CTG 5.56MM BALL M855	WC844
1305014673033	AA45	CTG 5.56MM BALL M855	WC844
1305014821053	AA58	CTG CAL .50 AP MK263-0	WC860
1310000158809	B632	CTG 60MM HE M49A4	M8
1310000158809	B632	CTG 60MM HE M49A4	M9
1310000263976	B630	CTG 60MM SMK WP M302A1	M8
1310000263976	B630	CTG 60MM SMK WP M302A1	M9
1310000284582	B590	CTG 57MM SMK WP M308A1 W/FUZE PD M503A2	M10
1310000284585	B586	CTG 57MM HE M306A1	M10
1310000284588	B587	CTG 57MM HEAT M307A1	M10
1310000284589	B588	CTG 57MM TP M306A1	M10
1310000284939	B634	CTG 60MM TP M50A2	M8
1310000284939	B634	CTG 60MM TP M50A2	M9
1310000284940	B634	CTG 60MM TP M50A2	M8
1310000284940	B634	CTG 60MM TP M50A2	M9

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1310000284944	B632	CTG 60MM HE M49A2	M8
1310000284944	B632	CTG 60MM HE M49A2	M9
1310000284981	B622	CHG PROP M3A1 F/60MM MORTAR	M8
1310000391079	B564	CTG 40MM BL-HET & HEIT	M1
1310000391104	B560	CTG 40MM AA HEIT-DI-SD	M1
1310000391119	B551	CTG 40MM AP M81A1	SPDN
1310000391123	B552	CTG 40MM AP-T M81A1	SPDN
1310000391132	B557	CTG 40MM AA HEI-SD	M1
1310000391141	B556	CTG 40MM AA HEI-P-NP	M1
1310000391142	B554	CTG 40MM HE-SD	M1
1310000391187	B558	CTG 40MM AA HEIT-NSD	M1
1310000391199	B563	CTG 40MM BL-P PROJ MK2 MODS	SPDN
1310000391202	B562	CTG 40MM AA HE-T SD	M1
1310000391220	B561	CTG 40MM AA HE-P-NP	M1
1310000391244	B562	CTG 40MM AA HE-T SD	M1
1310000391254	B555	CTG 40MM HEI-P	M1
1310000391304	B559	CTG 40MM AA HEIT-SD	M1
1310000963073	B621	CTG IGN M4 F/60MM MORTAR	M9
1310000963074	B621	CTG IGN M4 F/60MM MORTAR	M9
1310000963075	B621	CTG IGN M4 F/60MM MORTAR	M9
1310000963076	B620	CTG IGN M5A1 F/60MM MORTAR	M9
1310000963083	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
1310000963083	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
1310001135911	B627	CTG 60MM ILLUM M83A3	M8
1310001135911	B627	CTG 60MM ILLUM M83A3	M9
1310001339342	B573	CTG 40MM HE XM684	M2
1310001339413	B475	CTG 40MM YLW SMK CANOPY M676	M9
1310001348359	B632	CTG 60MM HE M49A4	M8
1310001348359	B632	CTG 60MM HE M49A4	M9
1310001401536	B630	CTG 60MM SMK WP M302A1	M8
1310001401536	B630	CTG 60MM SMK WP M302A1	M9
1310001437021	B632	CTG 60MM HE M49A4	M8
1310001437021	B632	CTG 60MM HE M49A4	M9
1310001437056	B627	CTG 60MM ILLUM M83A3	M8
1310001437056	B627	CTG 60MM ILLUM M83A3	M9
1310001438863	B470	CTG 40MM HE M384	M2
1310001593198	B535	CTG 40MM WHT STAR PARA M583A1	M9
1310001791159	B476	CTG 40MM GRN SMK CANOPY M679	M9
1310001791163	B477	CTG 40MM WHT SMK CANOPY M680	M9
1310001791170	B479	CTG 40MM RED SMK CANOPY M682	M9
1310001809368	B480	CTG 40MM PRAC M385A1	M2
1310001823233	B590	CTG 57MM SMK WP M308A1 W/FUZE PD M503A2	M10
1310002205183	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
1310002205183	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
1310002246305	B630	CTG 60MM SMK WP M302A1	M8
1310002246305	B630	CTG 60MM SMK WP M302A1	M9
1310003094931	B552	CTG 40MM AP-T M81A1	SPDN

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1310003094932	B552	CTG 40MM AP-T M81A1	SPDN
1310003094933	B552	CTG 40MM AP-T M81A1	SPDN
1310003094934	B552	CTG 40MM AP-T M81A1	SPDN
1310003094935	B562	CTG 40MM AA HE-T SD	M1
1310003094936	B562	CTG 40MM AA HE-T SD	M1
1310003094937	B562	CTG 40MM AA HE-T SD	M1
1310003094938	B562	CTG 40MM AA HE-T SD	M1
1310003094939	B562	CTG 40MM AA HE-T SD	M1
1310003094940	B562	CTG 40MM AA HE-T SD	M1
1310003094941	B562	CTG 40MM AA HE-T SD	M1
1310003094942	B559	CTG 40MM AA HEIT-SD	M1
1310003094943	B559	CTG 40MM AA HEIT-SD	M1
1310003241410	B562	CTG 40MM AA HE-T SD	M1
1310004713615	B570	CTG 40MM HE M406 LNKD	M9
1310005092970	B634	CTG 60MM TP M50A2	M8
1310005092970	B634	CTG 60MM TP M50A2	M9
1310005092971	B634	CTG 60MM TP M50A2	M8
1310005092971	B634	CTG 60MM TP M50A2	M9
1310005416148	B504	CTG 40MM GRN STAR PARA M661	M9
1310005416149	B505	CTG 40MM RED STAR PARA M662	M9
1310005416150	B506	CTG 40MM RED SMK M713	M9
1310005416152	B508	CTG 40MM GRN SMK M715	M9
1310005416153	B509	CTG 40MM YLW SMK M716	M9
1310005420383	B632	CTG 60MM HE M49A2	M8
1310005420383	B632	CTG 60MM HE M49A2	M9
1310005540092	B552	CTG 40MM AP-T M81A1	SPDN
1310005699873	B634	CTG 60MM TP M50A2	M8
1310005699873	B634	CTG 60MM TP M50A2	M9
1310006824710	B632	CTG 60MM HE M49A2	M8
1310006824710	B632	CTG 60MM HE M49A2	M9
1310006905761	B578	CTG 40MM PROOF M387	M9
1310007248081	B568	CTG 40MM HE M406	M9
1310007248082	B577	CTG 40MM PRAC M407A1	M9
1310007248162	B574	CTG 40MM HE M386	M9
1310007294593	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
1310007294593	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
1310007527616	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
1310007527616	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
1310007528507	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
1310007528507	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
1310007825518	B627	CTG 60MM ILLUM M83A3	M8
1310007825518	B627	CTG 60MM ILLUM M83A3	M9
1310008265395	BX14	CHG PROP INCREM M182	M8
1310008287429	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
1310008287429	B623	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
1310008419288	B568	CTG 40MM HE M406	M9
1310008492083	B567	CTG 40MM CS M651E1	M9



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1310008546648	BX08	CHG PROP INCREM M181	M8
1310008676609	B542	CTG 40MM HEDP M430 LNKD	M2
1310009229780	B535	CTG 40MM WHT STAR PARA M583	M9
1310009229784	B536	CTG 40MM WHT STAR CLUSTER M585	M9
1310009261929	B586	CTG 57MM HE M306A1	M10
1310009263951	B630	CTG 60MM SMK WP M302A1	M8
1310009263951	B630	CTG 60MM SMK WP M302A1	M9
1310009263953	B585	CTG 57MM CSTR T25E3	M10
1310009269308	B632	CTG 60MM HE M49A4	M8
1310009269308	B632	CTG 60MM HE M49A4	M9
1310009269428	B632	CTG 60MM HE M49A4	M8
1310009269428	B632	CTG 60MM HE M49A4	M9
1310009351995	B634	CTG 60MM TP M50A3	M8
1310009351995	B634	CTG 60MM TP M50A3	M9
1310009356189	B630	CTG 60MM SMK WP M302A1	M8
1310009356189	B630	CTG 60MM SMK WP M302A1	M9
1310009359129	B630	CTG 60MM SMK WP M302A1	M8
1310009359129	B630	CTG 60MM SMK WP M302A1	M9
1310009359130	B632	CTG 60MM HE M49A4	M8
1310009359130	B632	CTG 60MM HE M49A4	M9
1310009634061	B534	CTG 40MM MULT-PROJ M576E1	M2
1310009650738	B577	CTG 40MM PRAC M407A1	M9
1310009760907	B571	CTG 40MM HE M383 LNKD	M2
1310009760908	B572	CTG 40MM HE M384 LNKD	M2
1310009793563	B569	CTG 40MM HE M397	M9
1310009920451	B546	CTG 40MM HEDP M433	M9
1310009947441	B576	CTG 40MM TP M385 LNKD	M2
1310010227680	B642	CTG 60MM HE M720	M10
1310010227680	B642	CTG 60MM HE M720	M9
1310010338282	B549	CTG 40MM HEI	M1
1310010507967	B519	CTG 40MM TP M781	M9
1310010508895	B617	CTG IGN M702	M9
1310010508896	none	CHG PROP M204 F/60MM MORTAR	M10
1310010510959	B620	CTG IGN M5A2 F/60MM MORTAR	M9
1310010555378	none	CTG 40MM	M9
1310011075404	B519	CTG 40MM TP M781	M9
1310011488881	B519	CTG 40MM TP M781	M9
1310011493185	B643	CTG 60MM HE M888	M10
1310011493185	B643	CTG 60MM HE M888	M9
1310011593184	B576	CTG 40MM TP M385 LNKD	M2
1310011598043	B542	CTG 40MM HEDP M430 LNKD	M2
1310011962654	B571	CTG 40MM HE M383 LNKD	M2
1310011962655	B572	CTG 40MM HE M384	M2
1310012118073	B519	CTG 40MM TP M781	M9
1310012187069	B584	CTG 40MM TP M918 LNKD	M2
1310012187070	B584	CTG 40MM TP M918 LNKD	M2
1310012361354	B646	CTG 60MM SMK WP M722 W/PD FUZE	M10



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1310012361354	B646	CTG 60MM SMK WP M722 W/PD FUZE	M9
1310012409252	B630	CTG 60MM SMK WP M302A1	M8
1310012409252	B630	CTG 60MM SMK WP M302A1	M9
1310012409253	B630	CTG 60MM SMK WP M302A1	M8
1310012409253	B630	CTG 60MM SMK WP M302A1	M9
1310012409254	B632	CTG 60MM HE M49A4	M8
1310012409254	B632	CTG 60MM HE M49A4	M9
1310012409255	B632	CTG 60MM HE M49A4	M8
1310012409255	B632	CTG 60MM HE M49A4	M9
1310012588689	B647	CTG 60MM ILLUM M721 W/FZ MTSQ M776	M10
1310012588689	B647	CTG 60MM ILLUM M721 W/FZ MTSQ M776	M9
1310012669706	none	CTG CASE 40MM M169	M2
1310012764075	B634	CTG 60MM TP M50A3	M8
1310012764075	B634	CTG 60MM TP M50A3	M9
1310012838652	B592	CTG 40MM TP M918	M2
1310013169973	B576	CTG 40MM TP M385 LNKD	M2
1310013175948	B584	CTG 40MM TP M918 LNKD	M2
1310013191541	B542	CTG 40MM HEDP M430 LNKD	M2
1310013426874	B617	CTG IGN M702	M9
1310013500247	B542	CTG 40MM HEDP M430A1	M2
1310013548745	B542	CTG 40MM HEDP M430A1	M2
1310013619039	B576	CTG 40MM TP M385 LNKD	M2
1310013625294	B584	CTG 40MM TP M918 LNKD	M2
1310013625295	B542	CTG 40MM HEDP M430A1	M2
1310013625296	B542	CTG 40MM HEDP M430	M2
1310014184362	BA16	CTG 60MM HE M720A1	M38/WC819
1310014184362	BA16	CTG 60MM HE M720A1	M9
1310014198203	B542	CTG 40MM HEDP M430A1	M2
1310014199285	B542	CTG 40MM HEDP M430A1	M2
1310014209268	B542	CTG 40MM HEDP M430A1	M2
1310014386964	BA04	CTG 60MM ILLUM M767 W/FUZE M776	M10
1310014386964	BA04	CTG 60MM ILLUM M767 W/FUZE M776	M9
1310014821257	BA15	CTG 60MM PRAC FR M769	M38/WC819
1310014821257	BA15	CTG 60MM PRAC FR M769	M9
1310014821259	BA14	CTG 60MM SMK WP M722E1 W/FUZE M783	M10
1310014821259	BA14	CTG 60MM SMK WP M722E1 W/FUZE M783	M9
1310014871944	BA17	CTG 60MM HE M768	M38/WC819
1310014871944	BA17	CTG 60MM HE M768	M9
1315000017868	C494	CTG 105MM APDS-T M728	Benite
1315000017868	C494	CTG 105MM APDS-T M728	M30
1315000058008	C710	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M8
1315000058008	C710	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M9
1315000074882	C699	CTG 4.2IN HE M329A2 W/O FUZE	M8
1315000074882	C699	CTG 4.2IN HE M329A2 W/O FUZE	M9
1315000087787	C708	CTG 4.2IN SMK WP M328A1	M8
1315000087787	C708	CTG 4.2IN SMK WP M328A1	M9
1315000191354	C338	CTG 3IN/50 CAL BL-P MK29 NFL	SPDN

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315000191355	C341	CTG 3IN/50 CAL BL-P MK29 FL	SPDF
1315000216478	C431	CTG 105MM SMK WP M60A2 (MOD) W/O FUZE	M1
1315000216478	C431	CTG 105MM SMK WP M60A2 (MOD) W/O FUZE	M1
1315000284397	C270	CTG 90MM HVAP-T M332	M17
1315000284411	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284417	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284418	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284422	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284424	C260	CTG 90MM APC-T M82	M6
1315000284426	C260	CTG 90MM APC-T M82	M6
1315000284427	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315000284428	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315000284429	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315000284430	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284431	C262	CTG 90MM CSTR M336	M2
1315000284432	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284433	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284434	C260	CTG 90MM APC-T M82	M6
1315000284435	C260	CTG 90MM APC-T M82	M6
1315000284452	C260	CTG 90MM APC-T M82	M6
1315000284455	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315000284458	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284459	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284460	C267	CTG 90MM HE M71 W/O FUZE	M6
1315000284467	C260	CTG 90MM APC-T M82	M6
1315000284476	C273	CTG 90MM SMK WP M313	M15
1315000284476	C273	CTG 90MM SMK WP M313	M6
1315000284478	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315000284480	C273	CTG 90MM SMK WP M313	M15
1315000284480	C273	CTG 90MM SMK WP M313	M6
1315000284481	C266	CTG 90MM HE M71 W/PD FUZE	M6
1315000284482	C273	CTG 90MM SMK WP M313	M15
1315000284482	C273	CTG 90MM SMK WP M313	M6
1315000284647	C075	CTG 75MM APC-T M61A1	M1
1315000284651	C053	CTG 75MM HEP-T M349	M10
1315000284654	C051	CTG 75MM HE M309	M10
1315000284658	C051	CTG 75MM HE M309A1	M10
1315000284659	C057	CTG 75MM HE M309A1	M10
1315000284661	C054	CTG 75MM TP M309A1	M10
1315000284662	C052	CTG 75MM HEAT-T M310A1	M10
1315000284664	C027	CTG 75MM HE M48	M1
1315000284690	C027	CTG 75MM HE M48	M1
1315000284691	C027	CTG 75MM HE M48	M1
1315000284732	C122	CTG 76MM HE M352	M6
1315000284734	C122	CTG 76MM HE M352	M6
1315000284737	C128	CTG 76MM SMK WP M361	M6
1315000284741	C285	CTG 90MM AP-T M318	M17

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315000284741	C285	CTG 90MM AP-T M318	M30
1315000284741	C285	CTG 90MM AP-T M318	M6
1315000284742	C285	CTG 90MM AP-T M318	M17
1315000284742	C285	CTG 90MM AP-T M318	M30
1315000284742	C285	CTG 90MM AP-T M318	M6
1315000284773	C455	CTG 105MM SMK YLW M84	M1
1315000284774	C451	CTG 105MM SMK GRN M84	M1
1315000284775	C456	CTG 105MM SMK VLT M84	M1
1315000284782	C445	CTG 105MM HE M1 W/O FUZE & SUPPL CHG	M1
1315000284790	C650	CTG 106MM HEAT M344A1 W/FUZE M509A2	M26
1315000284792	C451	CTG 105MM SMK GRN M84	M1
1315000284793	C455	CTG 105MM SMK YLW M84	M1
1315000284795	C442	CTG 105MM CHEM AGENT H M60	M1
1315000284796	C442	CTG 105MM CHEM AGENT H M60	M1
1315000284797	C454	CTG 105MM SMK WP M60 W/PD FUZE	M1
1315000284806	C448	CTG 105MM HEP-T M327	M6
1315000284808	C448	CTG 105MM HEP-T M327	M6
1315000284809	C445	CTG 105MM HE M1 W/O FUZE	M1
1315000284812	C454	CTG 105MM SMK WP M60 W/PD FUZE	M1
1315000284815	C498	CTG 105MM HEP-T M326	M10
1315000284816	C496	CTG 105MM HE M323	M10
1315000284820	C498	CTG 105MM HEP-T M326	M10
1315000284827	C450	CTG 105MM LEAFLET M84	M1
1315000284828	C453	CTG 105MM SMK RED M84	M1
1315000284829	C442	CTG 105MM CHEM AGENT HD M60	M1
1315000284830	C445	CTG 105MM HE M1 W/O FUZE	M1
1315000284832	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315000284834	C451	CTG 105MM SMK GRN M84	M1
1315000284835	C448	CTG 105MM HEP-T M327	M6
1315000284836	C451	CTG 105MM SMK GRN M84B1 W/FUZE MTSQ M501A1	M1
1315000284841	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315000284845	C451	CTG 105MM SMK GRN M84	M1
1315000284846	C453	CTG 105MM SMK RED M84	M1
1315000284847	C453	CTG 105MM SMK RED M84B1 W/FUZE MTSQ M501A1	M1
1315000284848	C455	CTG 105MM SMK YLW M84	M1
1315000284857	C445	CTG 105MM HE M1 W/O FUZE	M1
1315000284859	C445	CTG 105MM HE M1 W/O FUZE	M1
1315000284860	C445	CTG 105MM HE M1 W/O FUZE	M1
1315000284861	C445	CTG 105MM HE M1 W/O FUZE	M1
1315000284954	C243	CTG IGN M3 F/81MM MORTAR M1 AMMO	M9
1315000284956	C242	CTG IGN M6	M9
1315000284957	C242	CTG IGN M6	M9
1315000284959	C245	CTG IGN M8 F/81MM MORTAR	M9
1315000284964	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
1315000284964	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
1315000284968	C225	CTG 81MM HE M43A1 W/FUZE PD M525	M8
1315000284968	C225	CTG 81MM HE M43A1 W/FUZE PD M525	M9

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315000284982	C240	CHG PROP INCREM M1A1 F/81MM MORTAR	M8
1315000284983	C239	CHG PROP INCREM M2A1 F/81MM MORTAR	M8
1315000284989	C231	CTG 81MM WP M57A1 W/FUZE TSQ M77	M8
1315000284989	C231	CTG 81MM WP M57A1 W/FUZE TSQ M77	M9
1315000285000	C227	CTG 81MM TP M43A1 W/PD FUZE	M8
1315000285000	C227	CTG 81MM TP M43A1 W/PD FUZE	M9
1315000285004	C222	CTG 81MM HE M362 W/PD FUZE	M9
1315000285006	C708	CTG 4.2IN SMK WP M2	M2
1315000285011	C708	CTG 4.2IN SMK WP M2	M2
1315000285014	C708	CTG 4.2IN SMK WP M2A1	M2
1315000285015	C706	CTG 4.2IN ILLUM M335 W/FUZE MTSQ M501A1	M8
1315000285015	C706	CTG 4.2IN ILLUM M335 W/FUZE MTSQ M501A1	M9
1315000285017	C705	CTG 4.2IN HE M329A1 W/O FUZE	M8
1315000285017	C705	CTG 4.2IN HE M329A1 W/O FUZE	M9
1315000285018	C703	CTG 4.2IN CHEM AGENT HD M2	M2
1315000285020	C708	CTG 4.2IN SMK WP M328	M8
1315000285020	C708	CTG 4.2IN SMK WP M328	M9
1315000285024	C698	CTG 4.2IN CHEM AGENT HT M2	M2
1315000285025	C698	CTG 4.2IN CHEM AGENT HT M2	M2
1315000285027	C703	CTG 4.2IN CHEM AGENT HD M2A1	M2
1315000285028	C707	CTG 4.2IN SMK FS M2A1	M2
1315000391487	C178	CTG 3IN/50 CAL BL-P MK27 NFL	SPDN
1315000391499	C179	CTG 3IN/50 CAL BL-P MK188 MOD0 FL	SPDF
1315000391515	C142	CTG 3IN/50 CAL HE-VT MK33 NFL	SPDN
1315000391516	C138	CTG 3IN/50 CAL HE-VT MK33 FL	SPDF
1315000391517	C178	CTG 3IN/50 CAL BL-P MK27 NFL	SPDN
1315000391546	C179	CTG 3IN/50 CAL BL-T MK27 FL	SPDF
1315000391571	C162	CTG 3IN/50 CAL VT-NF-SD MK33 MODS NFL	SPDN
1315000391632	C166	CTG 3IN/50 CAL VT-NF MK33 MODS	SPDN
1315000391648	C184	CHG CLEARING 3IN/50 CAL SF FL	SPDF
1315000391682	C143	CTG 3IN/50 CAL AP MK29 FL	SPDF
1315000391735	C348	CTG 3IN/50 CAL HC MK27 NFL	SPDN
1315000391737	C347	CTG 3IN/50 CAL HC MK27 FL	SPDF
1315000579576	C280	CTG 90MM HE-T M71A1 W/F	M1
1315000579577	C280	CTG 90MM HE-T M71A1 W/F	M1
1315000579580	C266	CTG 90MM HE M71 W/PD FUZE	M6
1315000580579	C508	CTG 105MM HEAT-T M456A1	Benite
1315000580579	C508	CTG 105MM HEAT-T M456A1	M30
1315000600884	C442	CTG 105MM CHEM AGENT H M60	M1
1315000688472	C282	CTG 90MM HEAT M371A1	M5
1315000751141	C850	CTG 81MM WINDOW EX MK133 MOD0	M8
1315000751141	C850	CTG 81MM WINDOW EX MK133 MOD0	M9
1315000751143	C851	CTG 81MM WINDOW EX MK134 MOD0	M8
1315000751143	C851	CTG 81MM WINDOW EX MK134 MOD0	M9
1315000751144	C852	CTG 81MM WINDOW EX MK135 MOD0	M8
1315000751144	C852	CTG 81MM WINDOW EX MK135 MOD0	M9
1315000895166	C122	CTG 76MM HE M352	M6

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315000895167	C122	CTG 76MM HE M352	M6
1315000963081	C242	CTG IGN M6	M9
1315001068548	C430	CTG 105MM HE M1 W/O FUZE	M1
1315001135741	C454	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
1315001136218	C448	CTG 105MM HEP-T M327	M6
1315001137649	C505	CTG 105MM APDS-T M392A2	Benite
1315001137649	C505	CTG 105MM APDS-T M392A2	M30
1315001138149	C454	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
1315001258808	none	CTG CASE W/CHG M67 & PRIMER M28B2	M1
1315001275502	C289	CTG 90MM TP-T M764	M1
1315001276605	C855	CTG 81MM APERS MK120 MOD0	M8
1315001276605	C855	CTG 81MM APERS MK120 MOD0	M9
1315001348984	C256	CTG 81MM HE M374A2 W/PD FUZE	M9
1315001365440	C306	CTG 3IN/50 CAL HE-IR MK33 NFL	SPDN
1315001365441	C307	CTG 3IN/50 CAL HE-IR MK33 FL	SPDF
1315001404480	C307	CTG 3IN/50 CAL HE-IR MK33 FL	SPDF
1315001410232	C650	CTG 106MM HEAT M344A1	M26
1315001410233	C321	CTG 3IN/50 CAL HE-IR MK31 NFL	SPDN
1315001410234	C322	CTG 3IN/50 CAL HE-IR MK31 FL	SPDF
1315001436874	C010	CTG IGN M66A1 F/81MM MORTAR	M9
1315001436930	C519	CTG 105MM APERS-T M494	M6
1315001436930	C519	CTG 105MM APERS-T M494	M9
1315001436986	C452	CTG 105MM SMK HC M84	M1
1315001437048	C226	CTG 81MM M301A3 W/FUZE TIME M84A1	M9
1315001437121	C513	CTG 105MM APERS-T M546	Benite
1315001437121	C513	CTG 105MM APERS-T M546	M30A1
1315001437121	C513	CTG 105MM APERS-T M546	M9
1315001437122	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
1315001437122	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
1315001437128	C468	CTG 105MM TACTICAL CS M629 W/FUZE M548 MTSQ	M1
1315001437183	C512	CTG 105MM SMK WP-T M416	M1
1315001437184	C236	CTG 81MM HE M374A2 W/O FUZE	M9
1315001437616	C454	CTG 105MM SMK WP M60E1 W/PD FUZE	M1
1315001437768	C513	CTG 105MM APERS-T M546E2	Benite
1315001437768	C513	CTG 105MM APERS-T M546E2	M30A1
1315001437768	C513	CTG 105MM APERS-T M546E2	M9
1315001438235	C275	CTG 90MM APERS-T M580	M6
1315001438235	C275	CTG 90MM APERS-T M580	M9
1315001438472	C294	CTG 90MM HEAT-T M431A2	Benite
1315001438472	C294	CTG 90MM HEAT-T M431A2	M30
1315001457536	C454	CTG 105MM SMK WP M60A1 W/PD FUZE	M1
1315001457547	C449	CTG 105MM ILLUM M314A3	M1
1315001457554	C445	CTG 105MM HE M1 W/O FUZE	M1
1315001466853	C445	CTG 105MM HE M1 W/O FUZE	M1
1315001470062	C863	CTG 81MM ILLUM M301A2 W/FUZE TIME M84	M8
1315001470062	C863	CTG 81MM ILLUM M301A2 W/FUZE TIME M84	M9
1315001475895	C258	CTG 90MM SMK WP M313C	M1

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315001502334	C280	CTG 90MM HE-T M71A1 W/F	M1
1315001529912	C437	CHG PROP 105MM M121 LD ASSY	M30A1
1315001570796	C433	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
1315001593201	C503	CTG 105MM TP-T M393A1	M1
1315001645290	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
1315001645290	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
1315001645339	C226	CTG 81MM M301A3 W/FUZE TIME M84A1	M9
1315001645339	C226	CTG 81MM M301A3 W/FUZE TIME M84A1	M9
1315001664440	C477	CTG 105MM SMK WP M60A2 W/O FUZE	M1
1315001695409	C280	CTG 90MM HE-T M71A1 W/F	M1
1315001695411	C280	CTG 90MM HE-T M71A1 W/F	M1
1315001823156	C452	CTG 105MM SMK HC M84A1	M1
1315001823426	C222	CTG 81MM HE M362 W/PD FUZE	M9
1315001860073	C448	CTG 105MM HEP-T M327	M6
1315001860076	C448	CTG 105MM HEP-T M327	M6
1315002038985	C441	CTG 105MM CHEM AGENT GB M360	M1
1315002158884	C445	CTG 105MM HE M1 W/O FUZE	M1
1315002158884	C445	CTG 105MM HE M1 W/O FUZE	M1
1315002158885	C445	CTG 105MM HE M1 W/O FUZE	M1
1315002158886	C445	CTG 105MM HE M1 W/O FUZE	M1
1315002255346	C375	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
1315002255347	C373	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
1315002255348	C375	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
1315002286282	C477	CTG 105MM SMK WP M60A2 W/O FUZE	M1
1315002286283	C477	CTG 105MM SMK WP M60A2 W/O FUZE	M1
1315002286284	C477	CTG 105MM SMK WP M60A2 W/O FUZE	M1
1315002314629	C445	CTG 105MM HE M1 W/O FUZE	M1
1315002419275	C276	CTG 81MM SMK WP M375A2 W/FUZE M567	M9
1315002941611	C338	CTG 3IN/50 CAL BL-T MK29 NFL	SPDN
1315002941628	C299	CTG 3IN/50 CAL AA MK27 NFL	SPDN
1315002941636	C355	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
1315002941655	C355	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
1315002941725	C299	CTG 3IN/50 CAL AA MK27 NFL	SPDN
1315002941751	C207	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
1315002941752	C207	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
1315002941756	C338	CTG 3IN/50 CAL BL-T MK27 NFL	SPDN
1315002941779	C320	CTG 3IN/50 CAL VT-NF-NSD MK31 MODS NFL	SPDN
1315002941819	C353	CTG 3IN/50 CAL HE-VT MK31 FL W/O FUZE	SPDF
1315002941837	C353	CTG 3IN/50 CAL HE-VT MK31 FL W/O FUZE	SPDF
1315002941843	C296	CTG 3IN/50 HC MK27 FLASHLESS	SPCG/Cordite N
1315002941843	C296	CTG 3IN/50 HC MK27 FLASHLESS	SPDF
1315002941857	C302	CTG 3IN/50 CAL AA MK27 FL	SPDF
1315002941869	C296	CTG 3IN/50 CAL HC MK27 FL	SPDF
1315002942131	C302	CTG 3IN/50 CAL AA MK27 FL	SPDF
1315002942453	C305	CTG 3IN/50 CAL ILLUM MK25	SPDF
1315002942454	C305	CTG 3IN/50 CAL ILLUM MK25	SPDF
1315002942460	C319	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315003011080	C262	CTG 90MM CSTR M336	M2
1315003011751	C270	CTG 90MM HVAP-T M332	M17
1315003011779	C454	CTG 105MM SMK WP M60 W/PD FUZE	M1
1315003011782	C455	CTG 105MM SMK YLW M84	M1
1315003050860	C453	CTG 105MM SMK RED M84	M1
1315003050862	C450	CTG 105MM LEAFLET M84	M1
1315003160269	C454	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
1315003226363	C445	CTG 105MM HE M1 W/O FUZE	M1
1315003226364	C456	CTG 105MM SMK VLT M84	M1
1315003226365	C442	CTG 105MM CHEM AGENT HD M60	M1
1315003226371	C802	PROJ & PROP CHG 120MM AP-T T116E6	M17
1315003241413	C457	CTG 105MM TP-T M67	M1
1315003241414	C450	CTG 105MM LEAFLET M84	M1
1315003287943	C355	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
1315003287950	C349	CTG 3IN/50 CAL HE-PD MK31 NFL	SPDN
1315003433612	C650	CTG 106MM HEAT M344A1 W/FUZE M509A2	M26
1315003433613	C651	CTG 106MM HEP-T M346A1	M26
1315003442311	C457	CTG 105MM TP-T M67	M1
1315003442312	C448	CTG 105MM HEP-T M327	M6
1315003442313	C800	PROJ & PROP CHG 120MM HE-T M356	M31
1315003442314	C806	PROJ & PROP CHG 120MM SMK WP-T M357 (T16E4)	M31
1315003442349	C268	CTG 90MM HEAT T108E46	M1
1315003442349	C268	CTG 90MM HEAT T108E46	M6
1315003512751	C150	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
1315003512752	C153	CTG 3IN/50 CAL HE-VT-SD MK33 NFL	SPDN
1315003517910	none	CHG PROP HALF INCREM	M8
1315003517911	none	CHG PROP FIVE INCREM BUNDLE	M8
1315003517912	none	CHG PROP SINGLE INCREM	M8
1315003517914	CX30	CHG PROP BAG LOADING	M9
1315003644664	C152	CTG 3IN/50 CAL HE-VT-SD MK33 FL	SPDF
1315003644681	C151	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
1315003644857	C306	CTG 3IN/50 CAL HE-IR MK175 MOD0 NFL	SPDN
1315003644882	C307	CTG 3IN/50 CAL HE-IR MK33 FL	SPDF
1315003703548	C021	CHG PROP INCREM A M90A1 F/81MM MORTAR	M9
1315003789841	C022	CHG PROP INCREM B M90A1 F/81MM MORTAR	M9
1315003789842	C494	CTG 105MM APDS-T M728	Benite
1315003789842	C494	CTG 105MM APDS-T M728	M30
1315003833923	C713	CTG IGN M2	M2
1315004014899	none	CTG SUBASSY 3IN/50 CAL HC	SPDF
1315004250725	C020	CHG PROP INCREM M185	M9
1315004256040	C873	CHG PROP M36A1	M8
1315004256040	C873	CHG PROP M36A1	M9
1315004313444	C872	CHG PROP M82	M5
1315004338714	C280	CTG 90MM HE-T M71A1 W/F	M1
1315004345508	C279	CHG PROP M90A1 CHG A & B	M9
1315004384650	C505	CTG 105MM APDS-T M392A2	Benite
1315004384650	C505	CTG 105MM APDS-T M392A2	M30



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315004396121	C454	CTG 105MM SMK WP M60E1 W/PD FUZE	M1
1315004396122	C454	CTG 105MM SMK WP M60E1 W/PD FUZE	M1
1315004440132	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315004613323	C462	CTG 105MM APERS M444	M1
1315004613323	C462	CTG 105MM APERS M444	M10
1315004705368	C454	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
1315004705410	C651	CTG 106MM HEP-T M346A1	M26
1315004705415	C704	CTG 4.2IN HE M329 W/ FUZE PD M557	M8
1315004705415	C704	CTG 4.2IN HE M329 W/ FUZE PD M557	M9
1315004730962	C710	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M8
1315004730962	C710	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M9
1315004828452	C706	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M562	M8
1315004828452	C706	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M562	M9
1315004856032	C708	CTG 4.2IN SMK WP M328A1	M8
1315004856032	C708	CTG 4.2IN SMK WP M328A1	M9
1315004880976	C112	CTG 76MM/62 CAL HE-IR MK165 MOD0	M6+2
1315004880978	C113	CTG 76MM/62 CAL HE-PD MK166 MOD1	M6+2
1315004880982	C115	CTG 76MM/62 CAL PRAC BL&P MK168 MOD0	M6+2
1315004880996	C116	CHG CLEARING 76MM/62 CAL MK76 MOD0	M6+2
1315004986406	C276	CTG 81MM SMK WP M375A2 W/PD FUZE	M9
1315004986407	C256	CTG 81MM HE M374A2 W/PD FUZE	M9
1315005092972	C227	CTG 81MM TP M43A1 W/PD FUZE	M8
1315005092972	C227	CTG 81MM TP M43A1 W/PD FUZE	M9
1315005161518	C190	CTG 3IN/70 MK34 MODS NSD VT FCL	SPCG/Cordite N
1315005298266	C445	CTG 105MM HE M1 W/O FUZE	M1
1315005404809	C348	CTG 3IN/50 CAL HC NF MK33 MODS	SPD
1315005409140	C197	CTG 3IN/70 CAL VT-NF-NSD MK34 FL	SPCG/Cordite N
1315005409610	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
1315005409610	C226	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
1315005419925	C347	CTG 3IN/50 CAL HC MK33 MODS W/FZ PD MK30	SPDF
1315005420179	C223	CTG 81MM HE M362 W/O FUZE	M9
1315005420418	C802	PROJ & PROP CHG 120MM AP-T T116E5	M17
1315005544638	C245	CTG IGN M8 F/81MM MORTAR	M9
1315005546747	C802	PROJ & PROP CHG 120MM	M17
1315005554274	C243	CTG IGN M3 F/81MM MORTAR M1 AMMO	M9
1315005554778	C225	CTG 81MM HE M43A1 W/FUZE PD M525	M8
1315005554778	C225	CTG 81MM HE M43A1 W/FUZE PD M525	M9
1315005555530	C242	CTG IGN M6	M9
1315005556991	C162	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
1315005557201	C140	CTG 3IN/50 CAL HE-VT-SD MK33 NFL	SPDN
1315005557391	C136	CTG 3IN/50 CAL HE-VT-SD MK33 FL	SPDF
1315005557393	C141	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
1315005557426	C137	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
1315005622291	C294	CTG 90MM HEAT-T M431A1	Benite
1315005622291	C294	CTG 90MM HEAT-T M431A1	M30
1315005637067	C256	CTG 81MM HE M374A3 W/PD FUZE	M10
1315005637067	C256	CTG 81MM HE M374A3 W/PD FUZE	M9



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315005747680	C276	CTG 81MM SMK WP M375A3 W/FUZE M567	M10
1315005747680	C276	CTG 81MM SMK WP M375A3 W/FUZE M567	M9
1315005851739	C225	CTG 81MM HE M43A1 W/FUZE PD M525	M8
1315005851739	C225	CTG 81MM HE M43A1 W/FUZE PD M525	M9
1315005851742	C222	CTG 81MM HE M362 W/PD FUZE	M9
1315005853573	C653	CTG 106MM HEAT M344A1 W/FUZE M509A2	M26
1315006025177	C222	CTG 81MM HE M362 W/PD FUZE	M9
1315006203505	C162	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
1315006203507	C162	CTG 3IN/50 CAL VT-NF-SD MK33 MODS NFL	SPDN
1315006408857	C441	CTG 105MM CHEM AGENT GB M360	M1
1315006786114	C294	CTG 90MM HEAT-T M431	Benite
1315006786114	C294	CTG 90MM HEAT-T M431	M30
1315006839444	C802	PROJ & PROP CHG 120MM AP-T T116E6	M17
1315007020724	C222	CTG 81MM HE M362 W/FUZE PD M524E2	M9
1315007235724	C705	CTG 4.2IN HE M329A1 W/O FUZE	M2
1315007235724	C705	CTG 4.2IN HE M329A1 W/O FUZE	M8
1315007273637	C280	CTG 90MM HE-T M71A1 W/F	M1
1315007280704	C518	CTG 105MM HEP-T M393A2	M1
1315007527574	C280	CTG 90MM HE-T M71A1 W/F	M1
1315007527575	C280	CTG 90MM HE-T M71A1 W/F	M1
1315007528374	C505	CTG 105MM APDS-T M392A2	Benite
1315007528374	C505	CTG 105MM APDS-T M392A2	M30
1315007528475	C098	CTG 76MM TP-T M340A1	M17
1315007528475	C098	CTG 76MM TP-T M340A1	M30
1315007561676	C429	CTG 105MM HEP-T M393A1	M1
1315007561688	C294	CTG 90MM HEAT-T M431	Benite
1315007561688	C294	CTG 90MM HEAT-T M431	M30
1315007612073	C706	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M8
1315007612073	C706	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M9
1315007663717	C320	CTG 3IN/50 CAL VT-NF-NSD MK31 MODS NFL	SPDN
1315007663719	C205	CTG 3IN/50 CAL HE-VT MK31 NFL	SPDN
1315007663720	C205	CTG 3IN/50 CAL HE-VT MK31 NFL	SPDN
1315007663721	C319	CTG 3IN/50 CAL VT-NF MK31 MODS	SPDN
1315007663722	C319	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
1315007663723	C208	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
1315007663724	C208	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
1315007663725	C208	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
1315007663726	C355	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
1315007663727	C355	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
1315007663728	C356	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
1315007663729	C356	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
1315007663730	C356	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
1315007663731	C153	CTG 3IN/50 CAL HE-VT-SD MK33 NFL	SPDN
1315007663732	C151	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
1315007663733	C152	CTG 3IN/50 CAL HE-VT-SD MK33 FL	SPDF
1315007663734	C150	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
1315007663735	C185	CHG CLEARING 3IN/50 CAL RF FL	SPDF

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315007663739	C218	CTG 3IN/50 CAL HC MK27 NFL	SPDN
1315007663740	C218	CTG 3IN/50 CAL HC MK27 NFL	SPDN
1315007663743	C338	CTG 3IN/50 CAL BL-P MK189 MOD0 NFL	SPDN
1315007663744	C338	CTG 3IN/50 CAL BL-P MK27 NFL	SPDN
1315007663745	C215	CTG 3IN/50 CAL AP MK29 FL	SPDF
1315007663746	C215	CTG 3IN/50 CAL AP MK29 FL	SPDF
1315007663747	C212	CTG 3IN/50 CAL AP MK29 NFL	SPDN
1315007663748	C212	CTG 3IN/50 CAL AP MK29 NFL	SPDN
1315007663750	C341	CTG 3IN/50 CAL BL-T MK27 FL	SPDF
1315007663752	C341	CTG 3IN/50 CAL BL-P MK185 MOD0 FL	SPCG/Cordite N
1315007663752	C341	CTG 3IN/50 CAL BL-P MK185 MOD0 FL	SPDF
1315007663753	C207	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
1315007663754	C207	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
1315007670786	C318	CTG 3IN/50 CAL VT-NF MK31 MODS NFL	SPDN
1315007678239	C356	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
1315007678240	C208	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
1315007825531	C449	CTG 105MM ILLUM M314A3	M1
1315007825543	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315007825544	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315007825547	C256	CTG 81MM HE M374 W/FUZE PD M524A5	M9
1315007825838	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315007977199	C462	CTG 105MM APERS M444	M1
1315007977199	C462	CTG 105MM APERS M444	M10
1315007977199	C462	CTG 105MM APERS M444	M5
1315008216665	none	CHG PROP HALF INCREM	M8
1315008216685	CX30	CHG PROP BAG LOADING	M9
1315008251384	C436	CHG PROP M67	M1
1315008251400	C010	CTG IGN M66 F/81MM MORTAR	M9
1315008265393	none	FIVE INCREM BUNDLE	M8
1315008265401	none	CHG PROP INCREM M1A1	M8
1315008265404	C239	CHG PROP INCREM M2A1 F/81MM MORTAR	M8
1315008287444	C873	CHG PROP M36A1 ASSY	M9
1315008287465	C435	CHG PROP 105MM M327	M6
1315008546645	C019	INCREM PROP M5	M9
1315008546646	CX47	CHG B PROP INCREM M90	M9
1315008831472	CX46	CHG A PROP INCR M90 MORTAR CTG 81MM	M9
1315008841731	C235	CTG 81MM LEAFLET MK112 MOD0	M8
1315008841731	C235	CTG 81MM LEAFLET MK112 MOD0	M9
1315008887627	C227	CTG 81MM TP M43A1 W/PD FUZE	M8
1315008887627	C227	CTG 81MM TP M43A1 W/PD FUZE	M9
1315008892019	C283	CTG 90MM PRAC M371 W/FUZE PIBD M530A1	M5
1315008892087	C294	CTG 90MM HEAT-T M431A1	Benite
1315008892087	C294	CTG 90MM HEAT-T M431A1	M30
1315008921593	C258	CTG 90MM SMK WP M313C	M1
1315008921594	C258	CTG 90MM SMK WP M313	M15
1315008921594	C258	CTG 90MM SMK WP M313	M6
1315008923968	C222	CTG 81MM HE M362 W/PD FUZE	M9

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315008924095	C443	CTG 105MM HE M1 W/MTSQ FUZE	M1
1315008924113	C294	CTG 90MM HEAT-T M431	Benite
1315008924113	C294	CTG 90MM HEAT-T M431	M30
1315008924236	C280	CTG 90MM HE-T M71A1 W/F	M1
1315008924307	C282	CTG 90MM HEAT M371A1	M5
1315008924864	C704	CTG 4.2IN HE M329 W/ FUZE PD M557	M8
1315008924864	C704	CTG 4.2IN HE M329 W/ FUZE PD M557	M9
1315008924895	C454	CTG 105MM SMK WP M60 W/PD FUZE	M1
1315008924896	C051	CTG 75MM HE M309A1	M10
1315008924928	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315008924996	C027	CTG 75MM HE M48	M1
1315008925002	C027	CTG 75MM HE M48	M1
1315009014921	C512	CTG 105MM SMK WP-T M416	M1
1315009261859	C283	CTG 90MM PRAC M371 W/FUZE PIBD M530	M5
1315009261885	C280	CTG 90MM HE-T M71A1 W/F	M1
1315009261888	C280	CTG 90MM HE-T M71A1 W/F	M1
1315009261889	C280	CTG 90MM HE-T M71A1 W/F	M1
1315009261892	C660	CTG 106MM APERS-T M581 W/FUZE	M26
1315009261892	C660	CTG 106MM APERS-T M581 W/FUZE	M9
1315009261896	C443	CTG 105MM HE M1 W/MTSQ FUZE	M1
1315009261928	C601	CTG 90MM APERS M377	M6
1315009261935	C708	CTG 4.2IN SMK WP M328A1	M8
1315009261935	C708	CTG 4.2IN SMK WP M328A1	M9
1315009263952	C441	CTG 105MM CHEM AGENT GB M360	M1
1315009263968	C464	CTG 105MM HE M323	M10
1315009263974	C285	CTG 90MM AP-T M318	M30
1315009263989	C508	CTG 105MM HEAT-T M456A1	Benite
1315009263989	C508	CTG 105MM HEAT-T M456A1	M30
1315009263990	C508	CTG 105MM HEAT-T M456A1	Benite
1315009263990	C508	CTG 105MM HEAT-T M456A1	M30
1315009264019	C651	CTG 106MM HEP-T M346A1	M26
1315009264061	C456	CTG 105MM SMK VLT M84	M1
1315009264062	C456	CTG 105MM SMK VLT M84	M1
1315009264069	C463	CTG 105MM HE RAP M548	Benite
1315009264069	C463	CTG 105MM HE RAP M548	M30A1
1315009264073	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315009264077	C455	CTG 105MM SMK YLW M84	M1
1315009264078	C451	CTG 105MM SMK GRN M84	M1
1315009264079	C453	CTG 105MM SMK RED M84	M1
1315009264081	C445	CTG 105MM HE M1 W/O FUZE	M1
1315009269243	C410	CTG 90MM CSTR M590	M5
1315009269275	C660	CTG 106MM APERS-T M581 W/FUZE	M26
1315009269275	C660	CTG 106MM APERS-T M581 W/FUZE	M9
1315009269288	C443	CTG 105MM HE M1 W/MTSQ FUZE	M1
1315009269298	C449	CTG 105MM ILLUM M314A3	M1
1315009269299	C449	CTG 105MM ILLUM M314A3	M1
1315009269327	C468	CTG 105MM TACTICAL CS M629 W/FUZE M548 MTSQ	M1

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315009269328	C275	CTG 90MM APERS-T M580	M6
1315009269328	C275	CTG 90MM APERS-T M580	M9
1315009269385	C443	CTG 105MM HE M1 W/MTSQ FUZE	M1
1315009305830	C172	CTG 3IN/50 CAL ILLUM MK25	SPDF
1315009351926	C276	CTG 81MM SMK WP M375A2 W/FUZE M524A5	M9
1315009351931	C256	CTG 81MM HE M374A2 W/PD FUZE	M9
1315009351977	C513	CTG 105MM APERS-T M546	Benite
1315009351977	C513	CTG 105MM APERS-T M546	M30A1
1315009351977	C513	CTG 105MM APERS-T M546	M9
1315009351980	C513	CTG 105MM APERS-T M546	Benite
1315009351980	C513	CTG 105MM APERS-T M546	M30A1
1315009351980	C513	CTG 105MM APERS-T M546	M9
1315009351992	C227	CTG 81MM TP M43A1 W/PD FUZE	M8
1315009351992	C227	CTG 81MM TP M43A1 W/PD FUZE	M9
1315009356002	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356003	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315009356007	C236	CTG 81MM HE M374 W/O FUZE	M9
1315009356008	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356010	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356013	C236	CTG 81MM HE M374 W/O FUZE	M9
1315009356029	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356030	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356031	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356032	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315009356033	C236	CTG 81MM HE M374 W/O FUZE	M9
1315009356033	C236	CTG 81MM HE M374 W/O FUZE	M9
1315009356042	C429	CTG 105MM HEP-T M393A1	M1
1315009356068	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315009356075	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315009356076	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315009356128	C518	CTG 105MM HEP-T M393A2	M1
1315009356154	C519	CTG 105MM APERS-T M494	M6
1315009356154	C519	CTG 105MM APERS-T M494	M9
1315009359128	C704	CTG 4.2IN HE M329A1 W/FUZE PD M557	M8
1315009359128	C704	CTG 4.2IN HE M329A1 W/FUZE PD M557	M9
1315009359131	C708	CTG 4.2IN SMK WP M328A1	M8
1315009359131	C708	CTG 4.2IN SMK WP M328A1	M9
1315009359140	C705	CTG 4.2IN HE M329A1 W/O FUZE	M8
1315009359140	C705	CTG 4.2IN HE M329A1 W/O FUZE	M9
1315009359170	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315009359178	C513	CTG 105MM APERS-T M546	Benite
1315009359178	C513	CTG 105MM APERS-T M546	M30A1
1315009359178	C513	CTG 105MM APERS-T M546	M9
1315009359179	C660	CTG 106MM APERS-T M581 W/FUZE	M26
1315009359179	C660	CTG 106MM APERS-T M581 W/FUZE	M9
1315009359212	C706	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M8
1315009359212	C706	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M9

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315009359214	C708	CTG 4.2IN SMK WP M328A1	M8
1315009359214	C708	CTG 4.2IN SMK WP M328A1	M9
1315009359286	C710	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M8
1315009359286	C710	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M9
1315009368253	C009	CTG IGN M285 F/81MM MORTAR	M9
1315009628624	C338	CTG 3IN/50 CAL BL-P MK29 NFL	SPDN
1315009628625	C341	CTG 3IN/50 CAL BL-P MK29 FL	SPDF
1315009650548	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315009650564	C650	CTG 106MM HEAT M344A1	M26
1315009650572	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315009650597	C236	CTG 81MM HE M374 W/O FUZE	M9
1315009650660	C280	CTG 90MM HE-T M71A1 W/F	M1
1315009650661	C280	CTG 90MM HE-T M71A1 W/F	M1
1315009650674	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315009650675	C266	CTG 90MM HE M71 W/PD FUZE	M15
1315009650713	C511	CTG 105MM TP-T M490	Benite
1315009650713	C511	CTG 105MM TP-T M490	M30
1315009650739	C462	CTG 105MM APERS M444	M1
1315009650739	C462	CTG 105MM APERS M444	M10
1315009650739	C462	CTG 105MM APERS M444	M5
1315009650776	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315009650777	C444	CTG 105MM HE M1 W/PD FUZE	M1
1315009650783	C290	CTG 90MM TP-T M353A1	M30
1315009650788	C706	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M501	M8
1315009650788	C706	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M501	M9
1315009650841	C239	CHG PROP INCREM M2A1 F/81MM MORTAR	M8
1315009650846	C708	CTG 4.2IN SMK WP M328A1	M8
1315009650846	C708	CTG 4.2IN SMK WP M328A1	M9
1315009776207	C373	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
1315009776208	C375	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
1315009891167	C510	CTG 105MM TP-T M467	M1
1315009996308	C250	CTG 81MM WINDOW MK115 MOD0	M8
1315009996308	C250	CTG 81MM WINDOW MK115 MOD0	M9
1315010127094	C445	CTG 105MM HE M1 W/O FUZE	M1
1315010237122	C508	CTG 105MM HEAT-T-MP M456A2	Benite
1315010237122	C508	CTG 105MM HEAT-T-MP M456A2	M30
1315010237902	C506	CTG 105MM APDS-T M392/L36A1	Benite
1315010237902	C506	CTG 105MM APDS-T M392/L36A1	M30
1315010300442	none	PROP GRAIN (PROP M5)	M5
1315010306837	C505	CTG 105MM APDS-T M392A2	Benite
1315010306837	C505	CTG 105MM APDS-T M392A2	M30
1315010306838	C521	CTG 105MM APFSDS-T M735	Benite
1315010306838	C521	CTG 105MM APFSDS-T M735	M30
1315010306838	C521	CTG 105MM APFSDS-T M735	M30
1315010307490	C505	CTG 105MM APDS-T M392A2	Benite
1315010307490	C505	CTG 105MM APDS-T M392A2	M30
1315010310713	C452	CTG 105MM SMK HC M84	M1

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315010326127	C520	CTG 105MM TPDS-T M724A1	Benite
1315010326127	C520	CTG 105MM TPDS-T M724A1	M1
1315010508882	C043	CHG PROP M205	M10
1315010508883	C990	CTG IGN M299	M9
1315010508906	none	CHG PROP BAG LOADING	M9
1315010521319	none	PROJ 105MM M603 LOADING	M9
1315010555519	none	CHG PROP M178	M5
1315010558590	C716	CHG PROP M36A2	M8
1315010558590	C716	CHG PROP M36A2	M9
1315010574016	C115	CTG 76MM MK168 MOD1	M6+2
1315010587984	C112	CTG 76MM/62 CAL HE-IR MK165 MOD1	M6+2
1315010587985	C113	CTG 76MM/62 CAL HE-PD MK166 MOD1	M6+2
1315010638832	C518	CTG 105MM HEP-T M393A2	M1
1315010645607	C060	CTG 76MM/62 CAL HE-IR MK199 MOD0	M6+2
1315010645608	C061	CTG 76MM/62 CAL HE-PD MK200 MOD0	M6+2
1315010645609	C062	CTG 76MM/62 CAL BL-P MK201 MOD0	M6+2
1315010662790	none	CHG PROP	M1
1315010682403	none	CTG SUBASSY 3IN/50 MK33 HE NFL F/TEST	SPDN
1315010739920	none	CTG 105MM CLEARING	M1
1315010783738	C060	CTG 76MM/62 CAL (HE-IR) MK199 MOD1	M6+2
1315010783739	C061	CTG 76MM/62 CAL HE-PD MK200 MOD1	M6+2
1315010783740	C062	CTG 76MM/62 CAL BL-P MK201 MOD1	M6+2
1315010793884	none	CTG 76MM/62CAL HE	M6+2
1315010821234	C441	CTG 105MM CHEM AGENT GB M360	M1
1315010829856	C523	CTG 105MM APFSDS-T M774	Benite
1315010829856	C523	CTG 105MM APFSDS-T M774	M30
1315010840325	C116	CHG CLEARING 76MM/62 MK76 MOD1	M6+2
1315010900168	C511	CTG 105MM TP-T M490	Benite
1315010900168	C511	CTG 105MM TP-T M490	M30
1315010921135	none	CTG SUBASSY 3IN/50 MK33 F/TEST	SPDN
1315010945294	C508	CTG 105MM HEAT-T M456A1	Benite
1315010945294	C508	CTG 105MM HEAT-T M456A1	M30
1315011072513	C511	CTG 105MM TP-T M490	Benite
1315011072513	C511	CTG 105MM TP-T M490	M30
1315011149491	C511	CTG 105MM TP-T M490	Benite
1315011149491	C511	CTG 105MM TP-T M490	M30
1315011277481	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315011299337	C706	CTG 4.2IN ILLUM M335A2 W/FUZE MTSQ M577	M8
1315011299337	C706	CTG 4.2IN ILLUM M335A2 W/FUZE MTSQ M577	M9
1315011317823	C059	CTG 76MM/62 CAL HE-VT MK208 MOD0	M6+2
1315011369631	C524	CTG 105MM APFSDS-T M833	Benite
1315011369631	C524	CTG 105MM APFSDS-T M833	M30
1315011396770	C276	CTG 81MM SMK WP M375 W/FUZE	M9
1315011423062	C305	CTG 3IN/50 CAL ILLUM MK25	SPCG/Cordite N
1315011423062	C305	CTG 3IN/50 CAL ILLUM MK25	SPDF
1315011476307	C256	CTG 81MM HE M374 W/PD FUZE	M9
1315011613683	C511	CTG 105MM TP-T M490A1	Benite

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315011613683	C511	CTG 105MM TP-T M490A1	M14
1315011629423	C511	CTG 105MM TP-T M490A1	Benite
1315011629423	C511	CTG 105MM TP-T M490A1	M14
1315011633428	none	CTG 3IN/50 SPOTTING CHG	SPDN
1315011656487	C784	CTG 120MM TP-T M831	DIGL-RP
1315011656488	C785	CTG 120MM TPCSDS-T M865	LKL
1315011686108	C786	CTG 120MM APFSDS-T M829	Benite
1315011686108	C786	CTG 120MM APFSDS-T M829	JA2
1315011727796	C058	CTG 76MM/62 CAL VT-NF MK202 MOD0	M6+2
1315011807457	C208	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
1315011807458	C150	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
1315011807460	C151	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
1315011897764	C473	CTG 105MM HE M760	M30
1315011903371	C787	CTG 120MM HEAT-MP-T M830	DIGL-RP
1315011998688	C870	CTG 81MM SMK RP M819	M38/WC819
1315011998688	C870	CTG 81MM SMK RP M819	M9
1315011998689	C871	CTG 81MM ILLUM M853 W/FUZE TIME M768	M38/WC819
1315011998689	C871	CTG 81MM ILLUM M853 W/FUZE TIME M768	M9
1315012004223	C875	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M38/WC819
1315012004223	C875	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M9
1315012118411	C697	CTG 4.2IN HE M329A2 W/O FUZE	M8
1315012118411	C697	CTG 4.2IN HE M329A2 W/O FUZE	M9
1315012267418	C786	CTG 120MM APFSDS-T M829	Benite
1315012267418	C786	CTG 120MM APFSDS-T M829	JA2
1315012270008	C523	CTG 105MM APFSDS-T M774	Benite
1315012270008	C523	CTG 105MM APFSDS-T M774	M30
1315012324638	C787	CTG 120MM HEAT-MP-T M830	DIGL-RP
1315012332003	C508	CTG 105MM HEAT-T-MP M456A2	Benite
1315012332003	C508	CTG 105MM HEAT-T-MP M456A2	M30
1315012332316	none	CHG PROP M200	M30
1315012379775	C436	CHG PROP M67	M1
1315012424796	C785	CTG 120MM TPCSDS-T M865	LKL
1315012454019	C524	CTG 105MM APFSDS-T M833	Benite
1315012454019	C524	CTG 105MM APFSDS-T M833	M30
1315012502857	C546	CTG 105MM HERA M913	M30
1315012508636	C784	CTG 120MM TP-T M831	DIGL-RP
1315012554367	none	CTG 105MM M915 ASSY	M10
1315012554367	none	CTG 105MM M915 ASSY	M30
1315012680384	C479	CTG 105MM SMK HC M84A1	M1
1315012692256	C380	CTG 120MM APFSDS-T M829A1	Benite
1315012692256	C380	CTG 120MM APFSDS-T M829A1	JA2
1315012861385	C869	CTG 81MM HE M889A1 W/FUZE M935	M38/WC819
1315012861385	C869	CTG 81MM HE M889A1 W/FUZE M935	M9
1315012885545	C785	CTG 120MM TPCSDS-T M865	LKL
1315012899789	C871	CTG 81MM ILLUM M853A1	M38/WC819
1315012899789	C871	CTG 81MM ILLUM M853A1	M9
1315012901597	none	CHG PROP 81MM M219	M38/WC819



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315012901598	none	CHG PROP M218	M38/WC819
1315012904748	none	CTG IGN M752A1	M9
1315012927753	C786	CTG 120MM APFSDS-T M829	Benite
1315012927753	C786	CTG 120MM APFSDS-T M829	JA2
1315012927754	C784	CTG 120MM TP-T M831	DIGL-RP
1315012929868	C787	CTG 120MM HEAT-MP-T M830	DIGL-RP
1315012995858	C542	CTG 105MM ILLUM M314A3 W/O FUZE	M1
1315013002748	C449	CTG 105MM ILLUM M314A3	M1
1315013059252	C785	CTG 120MM TPCSDS-T M865	LKL
1315013139759	C542	CTG 105MM ILLUM M314A3 W/M14B1 CASE	M1
1315013157922	C511	CTG 105MM TP-T M490A1 (SWCC)	Benite
1315013157922	C511	CTG 105MM TP-T M490A1 (SWCC)	M14
1315013159744	none	CTG 120MM TPT SUPER SLUG	Benite
1315013159744	none	CTG 120MM TPT SUPER SLUG	M30
1315013204190	C544	CTG 105MM HERA M927	M1
1315013292575	C044	PROP CHG M220	M38/WC819
1315013292775	C785	CTG 120MM TPCSDS-T M865	LKL
1315013367185	C436	CHG PROP M67	M1
1315013431942	C625	CTG 120MM ILLUM M930	M47
1315013520392	C875	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M38/WC819
1315013520392	C875	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M9
1315013537617	C871	CTG 81MM ILLUM M853A1	M38/WC819
1315013537617	C871	CTG 81MM ILLUM M853A1	M9
1315013537618	C868	CTG 81MM HE M821A1 W/FUZE M734	M38/WC819
1315013537618	C868	CTG 81MM HE M821A1 W/FUZE M734	M9
1315013537619	C869	CTG 81MM HE M889A1 W/FUZE M935	M38/WC819
1315013537619	C869	CTG 81MM HE M889A1 W/FUZE M935	M9
1315013537620	C870	CTG 81MM SMK RP M819	M38/WC819
1315013537620	C870	CTG 81MM SMK RP M819	M9
1315013544916	C875	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M38/WC819
1315013544916	C875	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M9
1315013550736	C236	CTG 81MM HE M374 W/O FUZE	M9
1315013648313	C511	CTG 105MM TP-T M490A1	Benite
1315013648313	C511	CTG 105MM TP-T M490A1	M14
1315013691245	C430	CTG 105MM HE M1 W/O FUZE	M1
1315013691245	C430	CTG 105MM HE M1 W/O FUZE	M1
1315013691901	C784	CTG 120MM TP-T M831E2	Benite
1315013691901	C784	CTG 120MM TP-T M831E2	M14
1315013696612	C784	CTG 120MM TP-T M831A1	Benite
1315013696612	C784	CTG 120MM TP-T M831A1	M14
1315013712990	C449	CTG 105MM ILLUM M314A3	M1
1315013712990	C449	CTG 105MM ILLUM M314A3	M1
1315013791026	C484	CTG 81MM IR ILLUM M816 W/FUZE MTSQ M772	M38/WC819
1315013791026	C484	CTG 81MM IR ILLUM M816 W/FUZE MTSQ M772	M9
1315014139822	C436	CHG PROP M67	M1
1315014462904	CA07	CTG 120MM IR ILLUM M983	M47
1315014517536	CA11	CTG 105MM M915 ASSY	M10



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1315014517536	CA11	CTG 105MM M915 ASSY	M30
1315014532693	CA12	CTG 105MM M915 ASSY	M10
1315014532693	CA12	CTG 105MM M915 ASSY	M30
1315014629367	CA17	CTG 105MM HE M1 (MOD)	M1
132000069654	D479	CHG PROP 152MM M189	M26A1/M26E1
132000087790	D540	CHG PROP 155MM GB M3A1	CBI
132000087790	D540	CHG PROP 155MM GB M3A1	M1
132000090351	D274	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPDF
132000090351	D274	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPDN
132000090352	D370	CHG PROP 6IN/47 CAL FULL FL MK6	SPDF
132000090352	D370	CHG PROP 6IN/47 CAL FULL FL MK6	SPDN
132000095316	D018	BAG CHG	M10
1320000284369	D480	CHG PROP 155MM M19	M6
1320000284371	D480	CHG PROP 155MM M19	M6
1320000284374	D675	CHG PROP 8IN WB M1	M1
1320000284375	D676	CHG PROP 8IN WB M2	M1
1320000284378	D676	CHG PROP 8IN WB M2	M1
1320000284873	D540	CHG PROP 155MM GB M3	M1
1320000284874	D540	CHG PROP 155MM GB M3	M1
1320000284875	D540	CHG PROP 155MM GB M3	M1
1320000284876	D540	CHG PROP 155MM GB M3	M1
1320000391868	D204	CTG 5IN/25 CAL HC MK36	SPD
1320000391868	D204	CTG 5IN/25 CAL HC MK36	SPDN
1320000391949	D227	CHG CLEARING 5IN/38 CAL FL	SPDF
1320000391961	D227	CHG CLEARING 5IN/38 CAL FL	SPDF
1320000391971	D272	CHG PROP 5IN/38 CAL FULL W/CASE MK5/8/10	SPD
1320000391971	D272	CHG PROP 5IN/38 CAL FULL W/CASE MK5/8/10	SPDN
1320000392037	D274	CHG PROP 5IN/38 CAL FULL FL W/CASE MK5/8/10	SPDF
1320000392037	D274	CHG PROP 5IN/38 CAL FULL FL W/CASE MK5/8/10	SPDN
1320000392058	D282	CHG PROP 5IN/38 CAL REDUCED NFL	SPDN
1320000392113	D247	PROJ 5IN/38 CAL SMK WP MK30/44/50	M9
1320000392130	D246	PROJ 5IN/38 CAL SMK WP MK30/44/50	M9
1320000393350	D306	CHG CLEARING 5IN/38 CAL FL	SPDF
1320000393352	D304	CHG PROP 5IN/54 CAL FULL NFL	SPD
1320000393353	D305	CHG PROP 5IN/54 CAL FULL FL	SPDF
1320000393521	D368	CHG CLEARING 6IN/47 CAL W/CASE MK4/6/7	SPDF
1320000393528	D378	CHG PROP 6IN/47 CAL REDUCED FL MK6	SPDF
1320000393530	D377	CHG PROP 6IN/47 CAL REDUCED NFL MK6	SPDN
1320000393532	D371	CHG PROP 6IN/47 CAL REDUCED NFL MK6	SPDN
1320000393533	D372	CHG PROP 6IN/47 CAL REDUCED FL MK6	SPDF
1320000393538	D375	CHG PROP 6IN/47 CAL FULL NFL MK4/6	SPD
1320000393539	D376	CHG PROP 6IN/47 CAL FULL FL MK4/6	SPDF
1320000393543	D369	CHG PROP 6IN/47 CAL FULL NFL MK6	SPD
1320000393544	D370	CHG PROP 6IN/47 CAL FULL FL MK6	SPDF
1320000393544	D370	CHG PROP 6IN/47 CAL FULL FL MK6	SPDN
1320000393789	D603	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
1320000393790	D601	CHG PROP 8IN/55 CAL FULL NFL	SPD

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1320000393790	D601	CHG PROP 8IN/55 CAL FULL NFL	SPDN
1320000393801	D602	CHG PROP 8IN/55 CAL FULL FL	SPCG/Cordite N
1320000393801	D602	CHG PROP 8IN/55 CAL FULL FL	SPDF
1320000393808	D608	CHG PROP 8IN/55 CAL FULL FL	SPCG/Cordite N
1320000393808	D608	CHG PROP 8IN/55 CAL FULL FL	SPDF
1320000393809	D616	CHG PROP 8IN/55 CAL REDUCED FL	SPDF
1320000393810	D617	CHG PROP 8IN/55 CAL REDUCED FL	SPDF
1320000393811	D606	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
1320000393814	D607	CHG PROP 8IN/55 CAL FULL NFL	SPD
1320000393814	D607	CHG PROP 8IN/55 CAL FULL NFL	SPDN
1320000394076	D839	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
1320000738847	D562	PROJ 155MM HE APERS M449A1	M10
1320000738847	D562	PROJ 155MM HE APERS M449A1	M5
1320000894275	D605	CHG PROP 8IN/55 CAL FULL NFL	SPD
1320000894275	D605	CHG PROP 8IN/55 CAL FULL NFL	SPDN
1320000894276	D609	CHG PROP 8IN/55 CAL FULL FL	SPCG/Cordite N
1320000894276	D609	CHG PROP 8IN/55 CAL FULL FL	SPDF
1320000899784	D845	CHG PROP 16IN/50 CAL REDUCED FL (6 SECTIONS)	SPCG/Cordite N
1320000899785	D840	CHG PROP 16IN/50 CAL REDUCED NFL (6 SECTIONS)	SPDN
1320001030836	D600	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
1320001034930	D274	CHG PROP 5IN/38 CAL FULL FL MK63 MOD1	SPDF
1320001034930	D274	CHG PROP 5IN/38 CAL FULL FL MK63 MOD1	SPDN
1320001066138	D875	PROJ 16IN/50 CAL HE MK19 MOD0	M5
1320001066138	D875	PROJ 16IN/50 CAL HE MK19 MOD0	M9
1320001137017	D381	CTG 152MM HEAT-T-MP M409A1	BALL
1320001137017	D381	CTG 152MM HEAT-T-MP M409A1	M26A1/M26E1
1320001137017	D381	CTG 152MM HEAT-T-MP M409A1	WC844
1320001137019	D383	CTG 152MM TP-T M411A3	BALL
1320001137019	D383	CTG 152MM TP-T M411A3	M26A1/M26E1
1320001137019	D383	CTG 152MM TP-T M411A3	WC844
1320001138006	D676	CHG PROP 8IN WB M2	M1
1320001267339	D563	PROJ 155MM HE APERS M483A1	M10
1320001316761	D615	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
1320001436832	D381	CTG 152MM HEAT-T-MP M409	BALL
1320001436832	D381	CTG 152MM HEAT-T-MP M409	M26A1/M26E1
1320001436832	D381	CTG 152MM HEAT-T-MP M409	WC844
1320001436847	D533	CHG PROP 155MM M119	Benite
1320001436847	D533	CHG PROP 155MM M119	CBI
1320001436847	D533	CHG PROP 155MM M119	M6
1320001593191	D390	CTG 152MM CSTR M625A1	BALL
1320001593191	D390	CTG 152MM CSTR M625A1	M26A1/M26E1
1320001593191	D390	CTG 152MM CSTR M625A1	WC844
1320001737356	D369	CHG PROP 6IN/47 CAL FULL NFL MK7	SPD
1320001737357	D370	CHG PROP 6IN/47 CAL FULL FL MK7	SPDF
1320001737357	D370	CHG PROP 6IN/47 CAL FULL FL MK7	SPDN
1320001748174	D274	CHG PROP 5IN/38 CAL FULL FL W/CASE MK10	SPCF/NACO/BS-NACO
1320001748174	D274	CHG PROP 5IN/38 CAL FULL FL W/CASE MK10	SPDN

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1320001809053	D592	CTG 152MM HE-T M657E2	BALL
1320001809053	D592	CTG 152MM HE-T M657E2	M26E1
1320001809053	D592	CTG 152MM HE-T M657E2	WC844
1320001809784	D383	CTG 152MM TP-T M411A1 (SEE RMKS)	BALL
1320001809784	D383	CTG 152MM TP-T M411A1 (SEE RMKS)	M26A1/M26E1
1320001809784	D383	CTG 152MM TP-T M411A1 (SEE RMKS)	WC844
1320001823030	D361	CHG PROP 175MM M86A2	M6
1320001823432	D381	CTG 152MM HEAT-T-MP M409A1	BALL
1320001823432	D381	CTG 152MM HEAT-T-MP M409A1	M26A1/M26E1
1320001823432	D381	CTG 152MM HEAT-T-MP M409A1	WC844
1320002266147	D561	PROJ 155MM HE APERS M449A1	M10
1320002266147	D561	PROJ 155MM HE APERS M449A1	M5
1320003085523	D675	CHG PROP 8IN WB M1	M1
1320003085555	D676	CHG PROP 8IN WB M2	M1
1320003132461	D296	CHG CLEARING 5IN/38/54 MK65 MOD0	SPCF/NACO/BS-NACO
1320003517905	D383	CTG 152MM TP-T M411A3	BALL
1320003517905	D383	CTG 152MM TP-T M411A3	M26A1/M26E1
1320003517905	D383	CTG 152MM TP-T M411A3	WC844
1320004055135	D368	CHG CLEARING 6IN/47 CAL W/CASE MK4/6/7	SPDF
1320004118607	D326	CHG PROP 5IN/54 CAL FULL FL MK67 MOD1	SPCF/NACO/BS-NACO
1320004348856	D501	PROJ 155MM ADAM M692E1	M10
1320004348861	D502	PROJ 155MM HE ADAM M731	M10
1320004514907	D536	CHG PROP 175MM	M6
1320004572577	D272	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPD
1320004572577	D272	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPDN
1320004910419	D380	CTG 152MM TP-T M411	BALL
1320004910419	D380	CTG 152MM TP-T M411	M26A1/M26E1
1320004910419	D380	CTG 152MM TP-T M411	WC844
1320004910420	D381	CTG 152MM HEAT-T-MP M409	BALL
1320004910420	D381	CTG 152MM HEAT-T-MP M409	M26A1/M26E1
1320004910420	D381	CTG 152MM HEAT-T-MP M409	WC844
1320004928197	D383	CTG 152MM TP-T M411A2	BALL
1320004928197	D383	CTG 152MM TP-T M411A2	M26A1/M26E1
1320004928197	D383	CTG 152MM TP-T M411A2	WC844
1320004969733	D390	CTG 152MM CSTR AP M625A1	BALL
1320004969733	D390	CTG 152MM CSTR AP M625A1	M26A1/M26E1
1320004969733	D390	CTG 152MM CSTR AP M625A1	WC844
1320005420132	D675	CHG PROP 8IN WB M1	M1
1320005555126	D570	CTG 165MM HEP M123A1 (COMP A3)	M2
1320005570931	D272	CHG PROP 5IN/38 CAL FULL NFL MK63 MOD2	SPD
1320005570931	D272	CHG PROP 5IN/38 CAL FULL NFL MK63 MOD2	SPDN
1320005826169	D381	CTG 152MM HEAT-T-MP M409	BALL
1320005826169	D381	CTG 152MM HEAT-T-MP M409	M26A1/M26E1
1320005826169	D381	CTG 152MM HEAT-T-MP M409	WC844
1320006101323	D381	CTG 152MM HEAT-T-MP M409A2	BALL
1320006101323	D381	CTG 152MM HEAT-T-MP M409A2	M26A1/M26E1
1320006101323	D381	CTG 152MM HEAT-T-MP M409A2	WC844

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1320006287741	D674	CHG PROP 8IN M80	M6
1320006899325	D561	PROJ 155MM HE APERS M449A1	M10
1320006899325	D561	PROJ 155MM HE APERS M449A1	M5
1320006899365	D562	PROJ 155MM HE APERS M449A1	M10
1320006899365	D562	PROJ 155MM HE APERS M449A1	M5
1320007665824	D297	CHG PROP 5IN/54 CAL REDUCED	SPDF
1320007679441	D534	CHG PROP 155MM M119E4	Benite
1320007679441	D534	CHG PROP 155MM M119E4	CBI
1320007679441	D534	CHG PROP 155MM M119E4	M30A1
1320007690275	D684	PROJ 8IN HE M404 W/O FUZE	M10
1320007690275	D684	PROJ 8IN HE M404 W/O FUZE	M5
1320007751533	D536	CHG PROP 175MM GB M124 W/PRIMER	M6
1320007837980	D017	BAG CHG	M10
1320008165516	D606	CHG PROP 8IN/55 CAL REDUCED FL	SPDF
1320008165517	D603	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
1320008299766	D601	CHG PROP 8IN/55 CAL FULL NFL	SPD
1320008299766	D601	CHG PROP 8IN/55 CAL FULL NFL	SPDN
1320008411057	D561	PROJ 155MM HE APERS M449A1	M10
1320008411057	D561	PROJ 155MM HE APERS M449A1	M5
1320008713723	D264	CHG PROP 5IN/38 CAL FULL FL MK63 MOD0	SPCF/NACO/BS-NACO
1320008713725	D611	CHG PROP 8IN/55 CAL FULL UNIVERSAL	SPCG/Cordite N
1320008713725	D611	CHG PROP 8IN/55 CAL FULL UNIVERSAL	SPDF
1320008723164	D563	PROJ 155MM HE APERS M483A1	M10
1320008793925	D324	CHG PROP 5IN/54 CAL FULL FL	SPCF/NACO/BS-NACO
1320008907916	D611	CHG PROP 8IN/55 CAL FULL UNIVERSAL	SPCF/NACO/BS-NACO
1320008924201	D361	CHG PROP 175MM M86A2B1	M6
1320009263986	D361	CHG PROP 175MM M86A2	M6
1320009264072	D590	CTG 165MM TP M623	M2
1320009264103	D390	CTG 152MM CSTR AP M625A1	BALL
1320009264103	D390	CTG 152MM CSTR AP M625A1	M26A1/M26E1
1320009264103	D390	CTG 152MM CSTR AP M625A1	WC844
1320009351922	D540	CHG PROP 155MM GB M3A1	CBI
1320009351922	D540	CHG PROP 155MM GB M3A1	M1
1320009351923	D541	CHG PROP 155MM WB M4	CBI
1320009352018	D380	CTG 152MM TP-T M411	BALL
1320009352018	D380	CTG 152MM TP-T M411	M26A1/M26E1
1320009352018	D380	CTG 152MM TP-T M411	WC844
1320009356185	D383	CTG 152MM TP-T M411A1 (SEE RMKS)	BALL
1320009356185	D383	CTG 152MM TP-T M411A1	M26A1/M26E1
1320009356185	D383	CTG 152MM TP-T M411A1 (SEE RMKS)	WC844
1320009368278	D579	PROJ 155MM HE RAP M549	AHH
1320009650554	D534	CHG PROP 155MM M119E4	Benite
1320009650554	D534	CHG PROP 155MM M119E4	CBI
1320009650554	D534	CHG PROP 155MM M119E4	M30A1
1320009650556	D540	CHG PROP 155MM GB M3A1	CBI
1320009650556	D540	CHG PROP 155MM GB M3A1	M1
1320009869731	D684	PROJ 8IN HE M404 W/O FUZE	M10

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1320009869731	D684	PROJ 8IN HE M404 W/O FUZE	M5
1320010041082	D326	CHG PROP 5IN/54 CAL FULL FL MK67 MOD3	SPCF/NACO/BS-NACO
1320010142451	D661	CHG PROP 8IN WB M188 W/O PRIMER	M30A2
1320010271147	D383	CTG 152MM TP-T M411A3	BALL
1320010271147	D383	CTG 152MM TP-T M411A3	M26A1/M26E1
1320010271147	D383	CTG 152MM TP-T M411A3	WC844
1320010284944	D300	CHG PROP 5IN/54 CAL FULL MK73 MOD0	M26
1320010298054	D381	CTG 152MM HEAT-T-MP M409A2	BALL
1320010298054	D381	CTG 152MM HEAT-T-MP M409A2	M26A1/M26E1
1320010298054	D381	CTG 152MM HEAT-T-MP M409A2	WC844
1320010339394	D532	CHG PROP 155MM M203	M30A1
1320010419890	D531	CHG PROP 155MM M201E5	CBI
1320010419890	D531	CHG PROP 155MM M201E5	M30A1
1320010476009	D579	PROJ 155MM HE RAP M549A1	AHH
1320010506059	D503	PROJ 155MM HE RAAM-L M718	M10
1320010506059	D503	PROJ 155MM HE RAAM-L M718	M5
1320010507966	D509	PROJ 155MM RAAM-S M741	M10
1320010507966	D509	PROJ 155MM RAAM-S M741	M5
1320010514132	D533	CHG PROP 155MM M119A1	Benite
1320010514132	D533	CHG PROP 155MM M119A1	CBI
1320010514132	D533	CHG PROP 155MM M119A1	M6
1320010521317	none	EXPULSION CHG	M10
1320010556119	D624	PROJ 8IN HE RAP M650	AHH
1320010562826	D296	CHG CLEARING 5IN/38/54 MK65 MOD1	SPCF/NACO/BS-NACO
1320010642746	D326	CHG PROP 5IN/54 CAL FULL FL EX67 MOD4	SPCF/NACO/BS-NACO
1320010704485	D662	CHG PROP 8IN WB M188A1	M30A2
1320010704485	D662	CHG PROP 8IN WB M188A1	M31A1
1320010704486	D662	CHG PROP 8IN WB M188A1	M31A1
1320010736010	D651	PROJ 8IN HE M509A1	M10
1320010771312	none	PROP GRAIN F/8IN M650	AHH
1320010774279	D510	PROJ 155MM HEAT M712	IMR-4064
1320010936856	D533	CHG PROP 155MM M119A2	CBI
1320010936856	D533	CHG PROP 155MM M119A2	M6
1320011121624	D032	CHG & SLEEVE ASSY	M10
1320011227621	D298	PROJ 5IN/38 SMK WP MK30/44/50 MT/PD MK403-0	M9
1320011252562	D839	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
1320011391758	D839	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
1320011402611	D528	PROJ 155MM SMK WP M825	M10
1320011507857	D514	PROJ 155MM RAAM-S M741A1	M10
1320011507857	D514	PROJ 155MM RAAM-S M741A1	M5
1320011572494	D282	CHG PROP 5IN/38 CAL REDUCED NFL MK10 MODS	SPDN
1320011687375	D875	PROJ 16IN/50 CAL HC/HE MK144 MOD0	M5
1320011687375	D875	PROJ 16IN/50 CAL HC/HE MK144 MOD0	M9
1320011693121	D846	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
1320011701429	D300	CHG PROP 5IN/54 CAL FULL MK73 MOD1	M30A1
1320011701429	D300	CHG PROP 5IN/54 CAL FULL MK73 MOD1	M30A2
1320011712666	none	EXPULSION CHG	M10

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1320011858157	9W22	CTG RF SEDUCTION MK214 MOD0	M30
1320012028938	D532	CHG PROP 155MM M203A1	CBI
1320012028938	D532	CHG PROP 155MM M203A1	M31A1E1
1320012304001	D846	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
1320012311697	D864	PROJ 155MM ER DP M864	M10
1320012317231	D662	CHG PROP 8IN WB M188A1	M31A1
1320012426568	none	EXPULSION CHG	M10
1320012608719	D502	PROJ 155MM HE ADAM M731	M10
1320012608720	D563	PROJ 155MM HE APERS M483A1	M10
1320012616043	D501	PROJ 155MM ADAM M692E1	M10
1320012638050	D840	CHG PROP 16IN/50 CAL REDUCED NFL (6 SECTIONS)	SPDN
1320012680385	D514	PROJ 155MM RAAM-S M741A1	M10
1320012680385	D514	PROJ 155MM RAAM-S M741A1	M5
1320012680386	D509	PROJ 155MM RAAM-S M741	M10
1320012680386	D509	PROJ 155MM RAAM-S M741	M5
1320012680387	D503	PROJ 155MM HE RAAM-L M718	M10
1320012680387	D503	PROJ 155MM HE RAAM-L M718	M5
1320012692257	D515	PROJ 155MM AT RAAM M718A1	M10
1320012692257	D515	PROJ 155MM AT RAAM M718A1	M5
1320012805320	D528	PROJ 155MM SMK WP M825A1	M10
1320013073952	D540	CHG PROP 155MM GB M3A1	CBI
1320013073952	D540	CHG PROP 155MM GB M3A1	M1
1320013104857	D533	CHG PROP 155MM M119A2	CBI
1320013104857	D533	CHG PROP 155MM M119A2	M6
1320013129058	D533	CHG PROP 155MM M119A2	CBI
1320013129058	D533	CHG PROP 155MM M119A2	M6
1320013129059	D540	CHG PROP 155MM GB M3A1	CBI
1320013129059	D540	CHG PROP 155MM GB M3A1	M1
1320013233623	D846	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
1320013349448	none	EXPULSION CHG	M10
1320013629845	D515	PROJ 155MM AT RAAM M718A1	M10
1320013629845	D515	PROJ 155MM AT RAAM M718A1	M5
1320013629847	D503	PROJ 155MM HE RAAM-L M718	M10
1320013629847	D503	PROJ 155MM HE RAAM-L M718	M5
1320013631272	D514	PROJ 155MM RAAM-S M741A1	M10
1320013631272	D514	PROJ 155MM RAAM-S M741A1	M5
1320013631273	D563	PROJ 155MM HE APERS M483A1	M10
1320013636469	D509	PROJ 155MM RAAM-S M741	M10
1320013636469	D509	PROJ 155MM RAAM-S M741	M5
1320013644515	D528	PROJ 155MM SMK WP M825	M10
1320013652427	D502	PROJ 155MM HE ADAM M731	M10
1320013671264	D562	PROJ 155MM HE APERS M449A1	M10
1320013671264	D562	PROJ 155MM HE APERS M449A1	M5
1320013674581	D864	PROJ 155MM ER DP M864	M10
1320014116099	D579	PROJ 155MM HE RAP M549A1	AHH
1320014118115	D579	PROJ 155MM HE RAP M549	AHH
1320014544603	DA12	CHG PROP 155MM MACS M231	WC864

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1325001690472	E793	DISP & BOMB ACFT CBU 7A(T-1)/A	M5
1325001823108	E187	DISP & BOMB ACFT CBU 25B/A	M5
1325001823109	E190	DISP & BOMB ACFT CBU 7A/A	M5
1325003862432	F744	FUZE PROX FMU-56D/B	M5
1325003862434	F370	ADAPTER KIT ADU-449/B	M5
1325004788965	E805	DISP & BOMB ACFT CBU 14(T-2)/A	M5
1325004788966	E858	DISP & BOMB ACFT CBU 14(T-1)/A	M5
1325008792645	F504	BOOSTER & HOLDER FUZE FZU-1/B	M5
1325008793993	E179	DISP & BOMB ACFT CBU-30/A	M5
1325008953874	E187	DISP & BOMB ACFT CBU 25A/A	M5
1325009124052	E189	DISP & BOMB ACFT CBU 22/A	M5
1325009254444	E196	DISP & BOMB ACFT CBU 14A/A	M5
1325009334954	E187	DISP & BOMB ACFT CBU 25A/A	M5
1325009495421	E189	DISP & BOMB ACFT CBU 22A/A	M5
1330000285869	G838	CTG CAL .30 GREN RIFLE M3	IMR-4895
1330000285870	G838	CTG CAL .30 GREN RIFLE M3	IMR-4895
1330000285873	G838	CTG CAL .30 GREN RIFLE M3	IMR-4895
1330000285875	G838	CTG CAL .30 GREN RIFLE M3	IMR-4895
1330001523709	G841	CTG 5.56MM GREN RIFLE M195	IMR-4475
1330003011988	G838	CTG CAL .30 GREN RIFLE M3	IMR-4895
1330007648435	G841	CTG 5.56MM GREN RIFLE M195	IMR-4475
1330009264011	G841	CTG 5.56MM GREN RIFLE M195	IMR-4475
1330009352030	G841	CTG 5.56MM GREN RIFLE M195	IMR-4475
1337010508871	none	LAU RCKT MTR M114	M7 Type II
1340000074889	H557	RCKT HE 66MM AT M72A2	M7 Type I
1340000214478	H557	RCKT HE 66MM AT M72A1	M7 Type I
1340000214480	H557	RCKT HE 66MM AT M72/M72A1	M7 Type I
1340000214491	H557	RCKT HE 66MM AT M72A2	M7 Type I
1340000286090	H600	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
1340000286092	H601	RCKT 3.5IN PRAC M29A2	M7 Type II
1340000385277	H436	PROP GRAIN M7	M7 Type II
1340001226551	JX12	RCKT MTR 3.5IN	M7 Type II
1340001244193	HY71	WHD 2.75IN RCKT FLECHETTE WDU 4A/A	M9
1340001320482	H110	RCKT INCND 66MM TPA 4-RD M74	M7 Type I
1340001369337	H600	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
1340001436911	H708	RCKT PRAC 35MM SUBCAL M73	M7 Type II
1340001437032	H555	RCKT HE 66MM AT M72A1	M7 Type I
1340001437117	H600	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
1340001695413	H110	RCKT INCND 66MM TPA 4-RD M74	M7 Type I
1340002202051	none	MTR LOADING	M7 Type II
1340002237224	H459	RCKT APERS 2.75IN W/WHD WDU 4A/A	M9
1340003605050	H708	RCKT PRAC 35MM SUBCAL M73	M7 Type II
1340003973072	H110	RCKT INCND 66MM TPA 4-RD M74	M7 Type I
1340004014460	H459	RCKT APERS 2.75IN W/WHD WDU 4A/A	M9
1340004913758	H600	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
1340007161450	H520	RCKT 115MM CHEM AGENT GB M55	M28
1340007243567	H521	RCKT 115MM CHEM AGENT VX M55	M28



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1340008585780	H706	RCKT PRAC 115MM SIMULANT EG M61	M28
1340008793968	HA02	WHD 2.75IN RCKT FLECHETTE WDU 4A/A	M9
1340008921561	H555	RCKT HE 66MM AT M72	M7 Type I
1340009264086	H555	RCKT HE 66MM AT M72	M7 Type I
1340009359285	H557	RCKT HE 66MM AT M72A2	M7 Type I
1340010298012	H557	RCKT HE 66MM AT M72A2	M7 Type I
1340011088848	H463	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340011088849	H463	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340011088850	H464	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340011223506	H104	RCKT POD 298MM TACTICAL M26 (MLRS)	WC818
1340011263942	H464	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340011490918	H108	RCKT POD 298MM PRAC M28 (MLRS)	WC818
1340012239187	H464	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340012497720	H182	RCKT FLARE 2.75IN W/WHD M257 & FUZE M442	M9
1340012497721	H181	RCKT ILLUM 2.75IN W/WHD M257 & FUZE M442	M9
1340012604979	none	WHD 2.75IN PRAC M267	M10
1340012687174	H974	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340012687175	H183	RCKT ILLUM 2.75IN W/WHD M257 & FUZE M442	M9
1340012691447	H165	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340013095799	H462	RCKT FLECHETTE 2.75IN W/WHD M255A1	M10
1340013135515	H823	WHD HE M261 F/2.75IN RCKT	M10
1340013204321	H166	RCKT FLECHETTE 2.75IN W/WHD M255A1 & FUZE M439	M10
1340013306687	H813	WHD FLARE 2.75IN RCKT M257 6 PIN	M9
1340013340684	H813	WHD FLARE 2.75IN RCKT M257 6 PIN	M9
1340013386482	H812	WHD FLARE 2.75IN RCKT M257	M9
1340013718611	H154	RCKT FLARE 2.75IN W/WHD M278 & FUZE M442	M9
1340013796347	H463	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340013796350	H464	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340013797780	H463	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340013797797	H464	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340013797814	H165	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340013797889	H974	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340014129346	HA06	WHD FLARE 2.75IN RCKT M278	M9
1340014433583	HA06	WHD FLARE 2.75IN RCKT M278	M9
1340014462901	HA11	RCKT FLECHETTE 2.75IN W/WHD M255A1 & FUZE M439	M10
1340014462905	HA10	RCKT FLARE 2.75IN W/WHD M278 & FUZE M442	M9
1340014464095	HA14	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340014487506	HA17	RCKT PRAC SMK 2.75IN W/WHD M267	M10
1340014487507	HA17	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
1340014488890	HA18	RCKT FLARE 2.75IN W/WHD M257 & FUZE M442	M9
1340014488891	HA14	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
1340014560978	H812	WHD FLARE 2.75IN RCKT M257	M9
1340251162520	H557	RCKT HE 66MM AT M72A2	M7 Type I
1345001275515	K015	MINE DISP SUBSYSTEM ACFT PRAC M132	M5
1345001275544	none	RELOAD KIT MINE PRAC M132	M5
1345001437613	K027	CHG MINE EJECTION M198	M5
1345003131398	K020	MINE DISP SUBSYSTEM ACFT M56	M5



Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1345006789822	K146	MINE APERS M26 BOUNDING	M9
1345007825513	K182	MINE AT LIGHT M24 OFF ROUTE	M7 Type II
1345010784104	K184	MINE AT HE M75 (SEE RMKS)	M5
1345011446444	K290	DISP & MINES ACFT CBU-89/B	M5
1345011608909	K022	DISP & MINE GRND M131	M5
1345011608909	K022	DISP & MINE GRND M131	M5
1345011624297	K292	DISP & MINES ACFT CBU-89(T-4)/B (TRNG)	M5
1345012038926	K295	DISP & MINE ACFT CBU-78/B	M5
1345012332029	K045	CSTR MINE HE M87 VOLCANO	M5
1345012939001	K299	DISP & MINES ACFT CBU-89A/B	M5
1345013415160	K301	DISP & MINE ACFT CBU 78A/B	M5
1345013415161	K301	DISP & MINE ACFT CBU 78A/B	M5
1345013415162	K295	DISP & MINE ACFT CBU-78/B	M5
1361006861551	none	PROJECTOR CHG PRAC 7.2IN MK13 MOD0	SPDN
1370000286000	L322	SIGNAL SMK ILLUM GRND YLW M64	M9
1370000286001	L318	SIGNAL SMK GRND GRN M65	M9
1370007944594	L585	MARKER LOCATION MARINE MK58 MOD0	M8
1370010740591	L580	MARKER LOCATION MARINE MK58 MOD1	M8
1370011811336	L374	LAUNCH CHG AA CCK-77/E	M30
1375001487159	M965	DEMO KIT CRATERING M180	M7 Type I
1375008123972	M443	DEMO KIT PROJECTED CHG M173 W/FUZE M1134	M7 Type II
1375008123973	M442	DEMO KIT PROJECTED CHG PRAC M174 W/FUZE M1147	M7 Type II
1376000090041	none	PROP PWDR (PROP M1)	M1
1376000090044	none	PROP PWDR (PROP M10)	M10
1376000090045	none	PROP PWDR (PROP M30A1)	M30A1
1376002798760	none	PROP PWDR (PROP M6)	M6
1376004322191	none	PROP PWDR (PROP M30)	M30
1376004512881	none	PROP PWDR (PROP M1)	M1
1376004512882	none	PROP PWDR (PROP M2)	M2
1376007721370	none	PROP PWDR (PROP IMR 4064)	IMR-4064
1376008546710	CX52	PROP PWDR M26 (T28)	M26
1376010491448	none	PROP PWDR (PROP WC846)	WC846
1376010491449	none	PROP PWDR (PROP WC846)	WC846
1376010491467	none	PROP PWDR (PROP WC818)	WC818
1376010491469	none	PROP PWDR (PROP WC870)	WC870
1376010528502	none	PROP PWDR (CBI IGN PWDR)	CBI
1376010539358	none	PROP PWDR (PROP M1)	M1
1376010539359	none	PROP PWDR (PROP M30)	M30
1376010539367	none	PROP PWDR (PROP M30)	M30
1376010539370	none	PROP PWDR (PROP M6)	M6
1376010539371	none	PROP PWDR (PROP M30)	M30
1376010539372	none	PROP PWDR (PROP M6)	M6
1376010539373	none	PROP PWDR M9	M9
1376010545158	none	PROP PWDR (PROP WC875)	WC875
1376010545171	none	PROP PWDR (PROP IMR IMR-4475)	IMR-4475
1376010550997	none	PROP PWDR (PROP WC860)	WC860
1376010550998	none	PROP PWDR (PROP WC844)	WC844

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1376010551555	none	PROP PWDR (PROP M30A1)	M30A1
1376010552772	none	PROP PWDR (PROP WC844)	WC844
1376010552783	none	PROP PWDR SPDN F/76MM	M6+2
1376010552784	ML73	PROP PWDR SPCF BS-NACO TYPE 1 F/5IN/54	SPCF/NACO/BS-NACO
1376010558597	none	PROP PWDR (PROP M1)	M1
1376010558598	none	PROP PWDR (PROP M10)	M10
1376010558599	none	PROP PWDR (PROP M30A2)	M30A2
1376010560768	none	PROP PWDR (PROP M1)	M1
1376010630140	none	PROP PWDR (PROP M1)	M1
1376010685086	none	PROP PWDR (PROP M30)	M30
1376010737529	none	PROP PWDR (PROP WC872)	WC872
1376010784062	none	PROP PWDR (PROP M6)	M6
1376010822105	none	PROP PWDR (PROP M9)	M9
1376010844229	none	PROP PWDR (PROP M30A1)	M30A1
1376010862973	none	PROP PWDR (PROP M31A1)	M31A1
1376011105580	none	PROP PWDR (PROP M30A2)	M30A2
1376011200957	none	PROP PWDR SPD F/3IN/50	SPD
1376011235089	none	PROP PWDR (PROP M17)	M17
1376011263602	none	PROP PWDR SPCF F/5IN/38	SPCF/NACO/BS-NACO
1376011265051	none	PROP PWDR SPCG (CORDITE-N) F/3IN/50	SPCG/Cordite N
1376011275190	none	PROP PWDR SPD F/5IN/38	SPD
1376011275191	none	PROP PWDR SPD F/5IN/54	SPD
1376011275193	none	PROP PWDR SPD F/16IN/45	SPD
1376011279539	none	PROP PWDR SPDB F/3IN/50	SPDB
1376011279541	none	PROP PWDR SPDF F/5IN/54	SPDF
1376011279542	none	PROP PWDR SPDF F/6IN/47	SPDF
1376011294679	none	PROP PWDR (PROP M6)	M6
1376011294680	none	PROP PWDR (PROP M6)	M6
1376011294681	none	PROP PWDR (PROP M6)	M6
1376011294682	none	PROP PWDR (PROP SPDN)	SPDN
1376011294683	none	PROP PWDR (PROP SPDN)	SPDN
1376011298056	none	PROP PWDR SPDB F/6IN/47	SPDB
1376011298058	none	PROP PWDR SPDW F/16IN/45	SPDW
1376011298059	none	PROP PWDR SPWF F/5IN/38	SPWF
1376011298061	none	PROP PWDR M1 TYPE 1 GRADE C	M1
1376011321692	none	PROP PWDR (PROP WC814)	WC814
1376011321710	none	PROP PWDR SPDW F/5IN/38	SPDW
1376011321711	none	PROP PWDR SPDF F/3IN/50	SPDF
1376011321712	none	PROP PWDR SPDF F/5IN/38	SPDF
1376011327304	none	PROP PWDR (PROP SPDW)	SPDW
1376011329160	none	PROP PWDR SPCF F/5IN/54	SPCF/NACO/BS-NACO
1376011420541	none	PROP PWDR (BS-NACO)	SPCF/NACO/BS-NACO
1376011491702	none	PROP PWDR (PROP M30)	M30
1376011779230	none	PROP PWDR (PROP JA2)	JA2
1376011779231	none	PROP PWDR (DIGL-RP)	DIGL-RP
1376011779233	none	PROP PWDR (DIGL-RP)	DIGL-RP
1376011803513	none	PROP PWDR (PROP WC844T)	WC844T

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1376011841696	none	PROP PWDR (PROP IMR IMR-4895)	IMR-4895
1376011877650	none	PROP PWDR (PROP M14)	M14
1376011924164	none	PROP PWDR (PROP WC844)	WC844
1376012135669	none	PROP PWDR (PROP M31A1E1)	M31A1E1
1376012240356	none	PROP PWDR (PROP M2)	M2
1376013355054	none	PROP PWDR (PROP WC867)	WC867
1376013626503	none	PROP PWDR (PROP WC750)	WC750
1376013687116	none	PROP PWDR (PROP WCR845)	WCR 845
1377000074880	MF94	IGN ELEMENT ELECT	BALL
1377000074880	MF94	IGN ELEMENT ELECT	WC844
1377000214213	M011	CTG IMPULSE MK17 MOD1	SPDN
1377000286128	M220	CTG IMPULSE M29A2	M2
1377003028489	MC69	CTG IMPULSE MK152 MOD0	M9
1377004916192	M837	CTG IMPULSE BBU-52/B	IMR-4198
1377005169924	WB32	CTG IMPULSE ARD446-1	BALL
1377005318659	MC82	CTG IMPULSE	M6
1377007059494	M510	CTG IMPULSE MK18 MOD0	M6
1377007070585	M011	CTG IMPULSE MK17 MOD1	SPDN
1377007358157	M389	CTG IMPULSE M146	M2
1377007561668	M207	CTG DELAY M90 ASSY	M2
1377008020293	M380	CTG IMPULSE M42A1 ASSY	M10
1377008254910	M720	CTG ACTUATED INITIATOR	M2
1377008451058	M710	INITIATOR CTG ACTUATED DELAY M26	M2
1377008490214	M875	THRUSTER CTG ACTUATED M-16	M2
1377008915488	M865	THRUSTER CTG ACTUATED M1A2	M10
1377010122961	MD54	CTG IMPULSE MK192 MOD0	M9
1377010570685	M187	CTG IMPULSE ARD446-1	BALL
1377010849358	ZY57	CTG BOOSTER	M2
1377010892860	M011	CTG IMPULSE MK17 MOD1	SPDN
1377012859721	SS27	CTG DUAL IMPULSE BBU-48/B	IMR-4227
1390002288416	N547	PRIMER ELECT M80A1	Benite
1390002288425	N560	PRIMER PERC M90	Benite
1390009356049	N552	PRIMER ELECT M83	Benite
1390010509510	N568	PRIMER PERC M79	Benite
1410000871521	PA66	GM SURF ATTACK BGM-71A (TOW)	M7 Type II
1410000871527	PB18	GM SURF ATTACK PRAC BTM-71A (TOW)	M7 Type II
1410010072507	PB91	GM SURF ATTACK BGM-71A (TOW)	M7 Type II
1410010072508	PB95	GM SURF ATTACK PRAC BTM-71A-1 (TOW)	M7 Type II
1410011068514	PB92	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
1410011352092	PB93	GM SURF ATTACK BGM-71D (TOW)	M7 Type II
1410011379976	PB96	GM SURF ATTACK PRAC BTM-71A -2 (TOW)	M7 Type II
1410011391512	PB94	GM SURF ATTACK BGM-71A-2 (TOW)	M7 Type II
1410011806790	PB98	GM SURF ATTACK BGM-71C -1(TOW)	M7 Type II
1410011806791	PB99	GM SURF ATTACK PRAC BTM-71A-3 (TOW)	M7 Type II
1410011816032	PB97	GM SURF ATTACK BGM-71A-3 (TOW)	M7 Type II
1410012163172	PB92	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
1410012299948	PD62	GM SURF ATTACK BGM-71E (TOW)	M7 Type II

Appendix B: Propellant Usage by NSN

NSN	DODIC	DESCRIPTION	PROP/COMP
1410012576494	PE63	GM SURF ATTACK PRAC BTM-71A -2 (TOW)	M7 Type II
1410012577583	PE05	GM SURF ATTACK BGM-71C -7A (TOW)	M7 Type II
1410012577585	PE64	GM SURF ATTACK PRAC BTM-71A-3A (TOW)	M7 Type II
1410012649124	4W73	GM SURF ATTACK BGM-71A-1A (TOW)	M7 Type II
1410013000254	PE96	GM SURF ATTACK BGM-71E -1B (TOW)	M7 Type II
1410013010815	PV01	GM SURF ATTACK BGM-71D -1B (TOW)	M7 Type II
1410013035172	PV02	GM SURF ATTACK PRAC BTM-71D-1B (TOW)	M7 Type II
1410013098301	PV04	GM SURF ATTACK PRAC BTM-71A -2B (TOW)	M7 Type II
1410013098302	PV05	GM SURF ATTACK PRAC BTM-71A-1B (TOW)	M7 Type II
1410013098303	PV03	GM SURF ATTACK BGM-71C -2B (TOW)	M7 Type II
1410013135365	PV45	GM SURF ATTACK BGM-71C-4B (TOW)	M7 Type II
1410013135367	PV47	GM SURF ATTACK BGM-71E-3B (TOW)	M7 Type II
1410013151531	PV15	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
1410013151532	PV15	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
1410013225333	PV18	GM SURF ATTACK BGM-71F (TOW)	M7 Type II
1410013438924	none	GM DIGITAL PRAC BTM 71E-2B (TOW)	M7 Type II
1410014069251	PU67	GM SURF ATTACK BGM-71C -3B (TOW)	M7 Type II

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
4W73	1410012649124	GM SURF ATTACK BGM-71A-1A (TOW)	M7 Type II
9W22	1320011858157	CTG RF SEDUCTION MK214 MOD0	M30
A058	1305011555455	CTG 5.56MM BALL M855	WC844
A058	1305011555458	CTG 5.56MM BALL M855	WCR 845
A059	1305011555459	CTG 5.56MM BALL M855	WC844
A059	1305011555459	CTG 5.56MM BALL M855	WCR 845
A059	1305011555462	CTG 5.56MM BALL M855	WC844
A059	1305011555462	CTG 5.56MM BALL M855	WCR 845
A062	1305011555461	CTG 5.56MM BALL M855	WC844
A062	1305011555461	CTG 5.56MM BALL M855	WCR 845
A062	1305011749277	CTG 5.56MM BALL M855	WC844
A062	1305011749277	CTG 5.56MM BALL M855	WCR 845
A062	1305012588692	CTG 5.56MM BALL M855 LNKD M27	WC844
A062	1305012588692	CTG 5.56MM BALL M855 LNKD M27	WCR 845
A062	1305013637560	CTG 5.56MM BALL M855	WC844
A062	1305013637560	CTG 5.56MM BALL M855	WCR 845
A063	1305011555457	CTG 5.56MM TR M856	WC844T
A063	1305011555457	CTG 5.56MM TR M856	WCR 845
A063	1305012932132	CTG 5.56MM TR M856	WC844T
A063	1305012932132	CTG 5.56MM TR M856	WCR 845
A064	1305011567584	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844
A064	1305011567584	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844T
A064	1305011567584	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WCR 845
A064	1305012520153	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844
A064	1305012520153	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844T
A064	1305012520153	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WCR 845
A064	1305013618038	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844
A064	1305013618038	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WC844T
A064	1305013618038	CTG 5.56MM 4 BALL M855/1 TR M856 LNKD M27	WCR 845
A066	1305000571876	CTG 5.56MM BALL M193	WC844
A066	1305000646549	CTG 5.56MM BALL M193	WC844
A066	1305000690869	CTG 5.56MM BALL M193	WC844
A066	1305007731257	CTG 5.56MM BALL M193	WC844
A066	1305009263970	CTG 5.56MM BALL M193	WC844
A066	1305009650775	CTG 5.56MM BALL M193	WC844
A066	1305009685892	CTG 5.56MM BALL M193	WC844
A067	1305011438592	CTG 5.56MM TR M196	WC844
A068	1305000095568	CTG 5.56MM TR M196	WC844
A068	1305000095569	CTG 5.56MM TR M196	WC844
A068	1305009144719	CTG 5.56MM TR M196	WC844
A068	1305009650832	CTG 5.56MM TR M196	WC844
A071	1305000058006	CTG 5.56MM BALL M193	WC844
A071	1305009263930	CTG 5.56MM BALL M193	WC844
A071	1305010156185	CTG 5.56MM BALL M193	WC844
A071	1305012556276	CTG 5.56MM BALL M193	WC844
A072	1305009263929	CTG 5.56MM TR M196	WC844
A072	1305012588693	CTG 5.56MM TR M196	WC844
A073	1305009359253	CTG 5.56MM 4 BALL M193/1 TR M196	WC844

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A075	1305011555463	CTG 5.56MM BLK M200 LNKD	WC814
A075	1305011555464	CTG 5.56MM BLK M200 LNKD M27	WC814
A075	1305011749278	CTG 5.56MM BLK M200	WC814
A075	1305012588694	CTG 5.56MM BLK M200 LNKD	WC814
A080	1305000058005	CTG 5.56MM BLK M200	WC814
A080	1305001823217	CTG 5.56MM BLK M200	WC814
A080	1305007648436	CTG 5.56MM BLK M200	WC814
A080	1305009269302	CTG 5.56MM BLK M200	WC814
A080	1305012740215	CTG 5.56MM BLK M200	WC814
A080	1305013540739	CTG 5.56MM BLK M200	WC814
A110	1305007528088	CTG 7.62MM BLK M82	WC818
A111	1305001666371	CTG 7.62MM BLK M82 LNKD M13	WC818
A111	1305003415129	CTG 7.62MM BLK M82	WC818
A111	1305007528087	CTG 7.62MM BLK M82 LNKD M13	WC818
A111	1305011811750	CTG 7.62MM BLK M82 LNKD M13	WC818
A111	1305013533274	CTG 7.62MM BLK M82 LNKD M13	WC818
A112	1305000088894	CTG 7.62MM BLK M82	WC818
A112	1305008825677	CTG 7.62MM BLK M82	WC818
A112	1305012740213	CTG 7.62MM BLK M82	WC818
A120	1305005421992	CTG 7.62MM NATO AP M61	IMR-4475
A120	1305005421992	CTG 7.62MM NATO AP M61	WC846
A122	1305003050909	CTG 7.62MM BALL M59	IMR-4475
A122	1305003050909	CTG 7.62MM BALL M59	WC846
A122	1305008924152	CTG 7.62MM NATO BALL M80	WC846
A122	1305008926155	CTG 7.62MM BALL M59/M80	IMR-4475
A122	1305008926155	CTG 7.62MM BALL M59/M80	WC846
A122	1305009144676	CTG 7.62MM NATO BALL M80	WC846
A124	1305003011679	CTG 7.62MM TR M62	WC846
A124	1305008825678	CTG 7.62MM TR M62	WC846
A127	1305002095139	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
A127	1305005290591	CTG 7.62MM 4 BALL M59/1 TR M62	IMR-4475
A127	1305005290591	CTG 7.62MM 4 BALL M59/1 TR M62	WC846
A128	1305005421967	CTG 7.62MM NATO BALL M80	WC846
A128	1305005421968	CTG 7.62MM NATO BALL M80	WC846
A129	1305005800131	CTG 7.62MM NATO HPT M60	IMR-4475
A130	1305001472989	CTG 7.62MM NATO BALL M80	IMR-4475
A130	1305001472989	CTG 7.62MM NATO BALL M80	WC846
A130	1305002314630	CTG 7.62MM NATO BALL M80	IMR-4475
A130	1305002314630	CTG 7.62MM NATO BALL M80	WC846
A130	1305005421219	CTG 7.62MM NATO BALL M80	IMR-4475
A130	1305005421219	CTG 7.62MM NATO BALL M80	WC846
A130	1305009144675	CTG 7.62MM NATO BALL M80	WC846
A131	1305000058007	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
A131	1305001437163	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
A131	1305001598593	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
A131	1305004498055	CTG 7.62MM 4 BALL M59/M80/1 TR M62	IMR-4475
A131	1305004498055	CTG 7.62MM 4 BALL M59/M80/1 TR M62	WC846

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A131	1305004498068	CTG 7.62MM 4 BALL M59/M80/1 TR M62 LNKD M13	IMR-4475
A131	1305004498068	CTG 7.62MM 4 BALL M59/M80/1 TR M62 LNKD M13	WC846
A131	1305008922150	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
A131	1305009356037	CTG 7.62MM 4 BALL M80/1 TR M62	WC846
A136	1305000642896	CTG 7.62MM NATO SPEC BALL M118	IMR-4895
A136	1305009269436	CTG 7.62MM NATO SPEC BALL M118	IMR-4895
A136	1305009269436	CTG 7.62MM NATO SPEC BALL M118	WC750
A136	1305009269436	CTG 7.62MM NATO SPEC BALL M118	WC846
A140	1305008288907	CTG 7.62MM TR M62	WC846
A140	1305009264017	CTG 7.62MM TR M62	WC846
A143	1305002571089	CTG 7.62MM NATO BALL M80	WC846
A143	1305008922330	CTG 7.62MM NATO BALL M80 LNKD	WC846
A143	1305010989652	CTG 7.62MM NATO BALL M80	WC846
A145	1305008924211	CTG 7.62MM TR M62 5/CLIP	WC846
A146	1305007527596	CTG 7.62MM TR M62 LNKD M13	WC846
A146	1305008922335	CTG 7.62MM TR M62 LNKD M13	WC846
A147	1305008924242	CTG 7.62MM BALL FRANGIBLE M160	WC140
A149	1305009650601	CTG 7.62MM NATO BALL M80	WC846
A151	1305008892169	CTG 7.62MM 4 BALL M80/1 TR M62 OHF	IMR-4475
A151	1305008892169	CTG 7.62MM 4 BALL M80/1 TR M62 OHF	WC846
A152	1305008892168	CTG 7.62MM NATO BALL M80 OHF	IMR-4475
A152	1305008892168	CTG 7.62MM NATO BALL M80 OHF	WC846
A163	1305001438486	CTG 7.62MM 9 BALL M80/1 TR M276	WC846
A164	1305009359247	CTG 7.62MM NATO BALL M80	WC846
A165	1305009263942	CTG 7.62MM 4 BALL M80/1 TR M62 LNKD M13	WC846
A166	1305009359289	CTG 7.62MM NATO BALL M80 OVHD FIRE	IMR-4475
A166	1305009359289	CTG 7.62MM NATO BALL M80 OVHD FIRE	WC846
A167	1305009359290	CTG 7.62MM NATO TR M62 OHF	WC846
A168	1305001523292	CTG 7.62MM 9 BALL M80/1 TR M62	WC846
A171	1305011200970	CTG 7.62MM MATCH M852	IMR-4895
A171	1305011200970	CTG 7.62MM MATCH M852	WC750
A181	1305000286143	CTG CAL .30 CARB BALL M1	WC820
A181	1305000286144	CTG CAL .30 CARB BALL M1	WC820
A181	1305000286146	CTG CAL .30 CARB BALL M1	WC820
A181	1305000286150	CTG CAL .30 CARB BALL M1	WC820
A181	1305000286152	CTG CAL .30 CARB BALL M1	WC820
A181	1305000286507	CTG CAL .30 CARB BALL M1	WC820
A181	1305005409132	CTG CAL .30 CARB BALL M1	WC820
A181	1305005541333	CTG CAL .30 CARB BALL M1 (STEEL CASE)	WC820
A181	1305005557011	CTG CAL .30 CARB BALL M1	WC820
A181	1305005854400	CTG CAL .30 CARB BALL M1	WC820
A181	1305009263963	CTG CAL .30 CARB BALL M1	WC820
A182	1305000286508	CTG CAL .30 CARB BALL M1	WC820
A182	1305000286509	CTG CAL .30 CARB BALL M1	WC820
A182	1305001027902	CTG CAL .30 CARB BALL M1	WC820
A182	1305003011661	CTG CAL .30 CARB BALL M1	WC820
A182	1305003011662	CTG CAL .30 CARB BALL M1	WC820

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A182	1305005541335	CTG CAL .30 CARB BALL M1	WC820
A183	1305000286153	CTG CAL .30 CARB TR M16	WC820
A184	1305000286510	CTG CAL .30 CARB TR M27 10/CLIP	WC820
A184	1305003011663	CTG CAL .30 CARB TR M27	WC820
A185	1305000286528	CTG CAL .30 CARB HPT M18	WC820
A191	1305010181547	CTG CAL .30 MATCH M72	IMR-4895
A200	1305008240825	CTG CAL .30 M2 OHF LNKD M19A1	IMR-4895
A201	1305000286157	CTG CAL .30 AP M2	IMR-4895
A201	1305000286162	CTG CAL .30 AP M2	IMR-4895
A201	1305000286526	CTG CAL .30 AP M2	IMR-4895
A201	1305000635747	CTG CAL .30 AP M2	IMR-4895
A201	1305001263860	CTG CAL .30 AP M2	IMR-4895
A201	1305005421119	CTG CAL .30 AP M2	IMR-4895
A201	1305008144607	CTG CAL .30 AP M2	IMR-4895
A201	1305008144608	CTG CAL .30 AP M2	IMR-4895
A201	1305009263933	CTG CAL .30 AP M2	IMR-4895
A202	1305000286161	CTG CAL .30 AP M2	IMR-4895
A202	1305000286279	CTG CAL .30 API M14	IMR-4895
A202	1305005407209	CTG CAL .30 AP M2	IMR-4895
A202	1305005854401	CTG CAL .30 AP M2	IMR-4895
A203	1305000286167	CTG CAL .30 AP M2	IMR-4895
A203	1305000286522	CTG CAL .30 AP M2	IMR-4895
A203	1305003085793	CTG CAL .30 AP M2	IMR-4895
A205	1305000286170	CTG CAL .30 AP M2	IMR-4895
A205	1305000286171	CTG CAL .30 AP M2	IMR-4895
A205	1305000286172	CTG CAL .30 AP M2	IMR-4895
A205	1305000286519	CTG CAL .30 AP M2	IMR-4895
A205	1305000286520	CTG CAL .30 AP M2	IMR-4895
A205	1305000286521	CTG CAL .30 AP M2	IMR-4895
A205	1305000286545	CTG CAL .30 API M14	IMR-4895
A205	1305000963140	CTG CAL .30 AP M2	IMR-4895
A205	1305001283856	CTG CAL .30 AP M2	IMR-4895
A205	1305003011664	CTG CAL .30 AP M2 CLIP M8	IMR-4895
A205	1305003102830	CTG CAL .30 AP M2	IMR-4895
A205	1305005556776	CTG CAL .30 AP M2	IMR-4895
A207	1305000286186	CTG CAL .30 AP M2 LNKD M19A1	IMR-4895
A207	1305003085759	CTG CAL .30 AP M2 LNKD M19A1	IMR-4895
A209	1305000286159	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
A209	1305000286174	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
A209	1305000286176	CTG CAL .30 4 AP M2/1 TR M25	IMR-4895
A209	1305000286513	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
A209	1305000286514	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895
A209	1305000286516	CTG CAL .30 4 AP M2/1 TR M25 LNKD M21	IMR-4895
A209	1305000286517	CTG CAL .30 4 AP M2/1 TR M25 LNKD M19A1	IMR-4895
A209	1305000286546	CTG CAL .30 4 API M14/1 TR M25 LNKD M19	IMR-4895
A209	1305000286547	CTG CAL .30 4 API M14/1 TR M25 LNKD M19	IMR-4895
A209	1305003011613	CTG CAL .30 4 AP M2/1 TR M1	IMR-4895



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A209	1305005409478	CTG CAL .30 BALL M2/TR M1	IMR-4895
A209	1305007902597	CTG CAL .30 4 AP M2/1 TR M25 LNKD M21	IMR-4895
A211	1305000286197	CTG CAL .30 BALL M2	IMR-4895
A211	1305000286536	CTG CAL .30 BALL M2	IMR-4895
A211	1305003102822	CTG CAL .30 BALL M2	IMR-4895
A211	1305005409646	CTG CAL .30 BALL M2	IMR-4895
A211	1305005854379	CTG CAL .30 BALL M2	IMR-4895
A212	1305000286190	CTG CAL .30 BALL M2	IMR-4895
A212	1305000286195	CTG CAL .30 BALL M2	IMR-4895
A212	1305000286535	CTG CAL .30 BALL M2	IMR-4895
A212	1305000963150	CTG CAL .30 BALL M2	IMR-4895
A212	1305005409461	CTG CAL .30 BALL M2	IMR-4895
A212	1305005455611	CTG CAL .30 BALL M2	IMR-4895
A212	1305005557738	CTG CAL .30 BALL M2	IMR-4895
A214	1305000286199	CTG CAL .30 BALL M2	IMR-4895
A214	1305000286204	CTG CAL .30 BALL M2	IMR-4895
A214	1305000286534	CTG CAL .30 BALL M2	IMR-4895
A214	1305002896800	CTG CAL .30 BALL M2	IMR-4895
A214	1305005556779	CTG CAL .30 BALL M2	IMR-4895
A214	1305008190250	CTG CAL .30 BALL M2	IMR-4895
A216	1305000075556	CTG CAL .30 BALL M2	IMR-4895
A216	1305000286206	CTG CAL .30 BALL M2	IMR-4895
A216	1305000286207	CTG CAL .30 BALL M2	IMR-4895
A216	1305000286208	CTG CAL .30 BALL M2	IMR-4895
A216	1305000286215	CTG CAL .30 BALL M2	IMR-4895
A216	1305000286529	CTG CAL .30 BALL M2	IMR-4895
A216	1305002571088	CTG CAL .30 BALL M2	IMR-4895
A216	1305003011605	CTG CAL .30 BALL M2	IMR-4895
A216	1305003011665	CTG CAL .30 BALL M2	IMR-4895
A216	1305005556780	CTG CAL .30 BALL M2	IMR-4895
A216	1305008921562	CTG CAL .30 BALL M2	IMR-4895
A217	1305000286194	CTG CAL .30 BALL M2	IMR-4895
A217	1305000286209	CTG CAL .30 BALL M2	IMR-4895
A217	1305000286210	CTG CAL .30 BALL M2	IMR-4895
A217	1305000286225	CTG CAL .30 BALL M2	IMR-4895
A217	1305000286537	CTG CAL .30 BALL M2 LNKD M19	IMR-4895
A218	1305000286542	CTG CAL .30 4 BALL M2/1 TR M25	IMR-4895
A219	1305000286192	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
A219	1305000286219	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
A219	1305000286229	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
A219	1305005409472	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
A219	1305008463759	CTG CAL .30 4 BALL M2/1 TR M1	IMR-4895
A230	1305000286257	CTG CAL .30 TR M1	IMR-4895
A230	1305000286285	CTG CAL .30 TR M25	IMR-4895
A230	1305000286288	CTG CAL .30 TR M25	IMR-4895
A230	1305000286549	CTG CAL .30 TR M25	IMR-4895
A230	1305001263853	CTG CAL .30 TR M25	IMR-4895

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A230	1305003050908	CTG CAL .30 TR M25	IMR-4895
A230	1305003102817	CTG CAL .30 TR M25/M1 CTN PK	IMR-4895
A230	1305009359298	CTG CAL .30 TR M25	IMR-4895
A231	1305000286259	CTG CAL .30 TR M25/M1 CTN PK	IMR-4895
A231	1305000286550	CTG CAL .30 TR M25	IMR-4895
A231	1305000574187	CTG CAL .30 TR M25	IMR-4895
A231	1305001437151	CTG CAL .30 TR M1	IMR-4895
A231	1305005409481	CTG CAL .30 TR M1	IMR-4895
A232	1305000286261	CTG CAL .30 TR M1	IMR-4895
A232	1305000286263	CTG CAL .30 TR M1	IMR-4895
A234	1305000286265	CTG CAL .30 TR M1	IMR-4895
A234	1305000286267	CTG CAL .30 TR M1	IMR-4895
A234	1305000286552	CTG CAL .30 TR M25	IMR-4895
A234	1305000963152	CTG CAL .30 TR M1	IMR-4895
A234	1305003011669	CTG CAL .30 TR M25	IMR-4895
A236	1305000286551	CTG CAL .30 TR M25	IMR-4895
A237	1305000286189	CTG CAL .30 HPT M1	IMR-4198
A237	1305000286527	CTG CAL .30 HPT M1	IMR-4198
A237	1305003050904	CTG CAL .30 HPT M1	IMR-4198
A238	1305000286255	CTG CAL .30 TR M1	IMR-4895
A238	1305000286256	CTG CAL .30 TR M1	IMR-4895
A238	1305000579578	CTG CAL .30 TR M1	IMR-4895
A238	1305003050892	CTG CAL .30 TR M1	IMR-4895
A238	1305003050907	CTG CAL .30 TR M1	IMR-4895
A244	1305000286266	CTG CAL .30 TR M1	IMR-4895
A244	1305000286277	CTG CAL .30 TR M1	IMR-4895
A245	1305000286276	CTG CAL .30 TR M1	IMR-4895
A246	1305005652636	CTG CAL .30 MATCH M72	IMR-4895
A247	1305005465830	CTG CAL .30 MATCH M72	IMR-4895
A247	1305008924157	CTG CAL .30 MATCH M72	IMR-4895
A255	1305013809975	CTG 7.62MM 4 BALL M80/1 TR M276	WC846
A257	1305013809803	CTG 7.62MM 9 BALL M80/1 TR M276	WC846
A450	1305013509580	CTG 20MM 4 TP PGU-27/B/1 TP-T PGU-30/B	WC867
A520	1305007648386	CTG CAL .50 4 BALL M33/1 TR M17 LNKD M15A2	WC860
A523	1305011317822	CTG CAL .50 4 API M8/1 API-T M20	WC860
A525	1305000286294	CTG CAL .50 AP M2	WC860
A525	1305000286296	CTG CAL .50 AP M2	WC860
A525	1305005557061	CTG CAL .50 AP M2	WC860
A526	1305000286295	CTG CAL .50 AP M2	WC860
A526	1305000286298	CTG CAL .50 AP M2	WC860
A526	1305005854380	CTG CAL .50 AP M2	WC860
A527	1305000286303	CTG CAL .50 AP M2 LNKD M2	WC860
A527	1305000286304	CTG CAL .50 AP M2	WC860
A527	1305000286309	CTG CAL .50 AP M2	WC860
A527	1305000286312	CTG CAL .50 AP M2 LNKD M2	WC860
A527	1305000286314	CTG CAL .50 AP M2 LNKD M2	WC860
A527	1305000286321	CTG CAL .50 AP M2	WC860

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A527	1305000963141	CTG CAL .50 AP M2	WC860
A528	1305000286305	CTG CAL .50 AP M2	WC860
A528	1305000286307	CTG CAL .50 AP M2	WC860
A528	1305000286313	CTG CAL .50 AP M2 LNKD M2	WC860
A530	1305000286562	CTG CAL .50 4 AP M2/1 TR M17	WC860
A531	1305000286447	CTG CAL .50 API M8	WC860
A531	1305000286449	CTG CAL .50 API M8	WC860
A531	1305000286457	CTG CAL .50 API M8	WC860
A531	1305000933030	CTG CAL .50 API M8	WC860
A531	1305005557053	CTG CAL .50 API M8	WC860
A531	1305010001351	CTG CAL .50 API M8	WC860
A532	1305000286448	CTG CAL .50 API M8	WC860
A532	1305000286460	CTG CAL .50 API M8	WC860
A532	1305000933031	CTG CAL .50 API M8	WC860
A532	1305005854387	CTG CAL .50 API M8	WC860
A533	1305000286464	CTG CAL .50 API M8 LNKD	WC860
A533	1305000286474	CTG CAL .50 API M8	WC860
A533	1305000286475	CTG CAL .50 API M8 LNKD	WC860
A533	1305000286476	CTG CAL .50 API M8	WC860
A533	1305000286477	CTG CAL .50 API M8	WC860
A533	1305000286480	CTG CAL .50 API M8	WC860
A533	1305000286588	CTG CAL .50 API M8	WC860
A533	1305000286590	CTG CAL .50 API M8	WC860
A533	1305000286592	CTG CAL .50 API M8	WC860
A533	1305003442394	CTG CAL .50 4 API M8/1 API-T M20	WC860
A534	1305000286451	CTG CAL .50 API M8	WC860
A534	1305000286453	CTG CAL .50 API M8	WC860
A534	1305000286454	CTG CAL .50 API M8	WC860
A534	1305000286468	CTG CAL .50 4 API M8/1 API-T M20	WC860
A534	1305000286479	CTG CAL .50 API M8	WC860
A534	1305000286591	CTG CAL .50 API M8	WC860
A534	1305000286593	CTG CAL .50 API M8	WC860
A539	1305000286486	CTG CAL .50 3 API M8/1 TR M17	WC860
A539	1305000286487	CTG CAL .50 4 API M8/1 TR M17	WC860
A540	1305000286470	CTG CAL .50 4 API M8/1 TR M17	WC860
A540	1305000286471	CTG CAL .50 4 API M8/1 TR M1	WC860
A540	1305000286473	CTG CAL .50 4 API M8/1 TR M1	WC860
A540	1305009352017	CTG CAL .50 4 API M8/1 TR M17 LNKD	WC860
A541	1305000286492	CTG CAL .50 API-T M20	WC860
A541	1305000286494	CTG CAL .50 API-T M20	WC860
A541	1305000286598	CTG CAL .50 API-T M20	WC860
A541	1305005557075	CTG CAL .50 API-T M20	WC860
A541	1305005855193	CTG CAL .50 API-T M20	WC860
A541	1305005855194	CTG CAL .50 API-T M20	WC860
A542	1305000286495	CTG CAL .50 API-T M20	WC860
A542	1305005855192	CTG CAL .50 API-T M20	WC860
A543	1305000286496	CTG CAL .50 API-T M20	WC860

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A543	1305000286600	CTG CAL .50 API-T M20	WC860
A543	1305000286601	CTG CAL .50 API-T M20	WC860
A544	1305003050910	CTG CAL .50 API-T M20	WC860
A545	1305005554055	CTG CAL .50 API M8	WC860
A545	1305005554057	CTG CAL .50 API M8	WC860
A545	1305005554059	CTG CAL .50 API M8	WC860
A546	1305005554066	CTG CAL .50 BALL M2	WC860
A546	1305005554272	CTG CAL .50 BALL M2	WC860
A546	1305005855368	CTG CAL .50 BALL M2	WC860
A547	1305000286458	CTG CAL .50 1 API M8/1 INC M1	WC860
A547	1305000286483	CTG CAL .50 1 API M8/1 INC M1	WC860
A547	1305000286596	CTG CAL .50 1 API M8/1 INC M1	WC860
A549	1305000286331	CTG CAL .50 2 AP M2/2 INC M1/1 TR M1	WC860
A549	1305000286462	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
A549	1305000286465	CTG CAL .50 2 API M8/2 INC M1/1 TR M1	WC860
A549	1305000286478	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
A549	1305000286482	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
A549	1305000286505	CTG CAL .50 2 API M8/2 INC M1/1 TR M10	WC860
A550	1305000286332	CTG CAL .50 2 AP M2/2 INC M1/1 TR M1	WC860
A551	1305000286484	CTG CAL .50 2 API M8/2 INC M1/1 API-T M20	WC860
A551	1305003011647	CTG CAL .50 2 API M8/2 INC M1/1 API-T M20	WC860
A551	1305005407495	CTG CAL .50 2 API M8/2 API-T M20/1 INC M1	WC860
A551	1305005410062	CTG CAL .50 1 API M8/1 API-T M20/1 INC M1	WC860
A552	1305000286333	CTG CAL .50 BALL M2	WC860
A552	1305000286337	CTG CAL .50 BALL M2	WC860
A552	1305000286566	CTG CAL .50 BALL M33	WC860
A552	1305000933036	CTG CAL .50 BALL M2	WC860
A552	1305005556783	CTG CAL .50 BALL M2	WC860
A552	1305005855191	CTG CAL .50 BALL M33	WC860
A553	1305000286335	CTG CAL .50 BALL M2	WC860
A553	1305000286336	CTG CAL .50 BALL M2	WC860
A553	1305005854389	CTG CAL .50 BALL M2	WC860
A553	1305005854390	CTG CAL .50 BALL M33	WC860
A554	1305000286355	CTG CAL .50 BALL M2	WC860
A554	1305000286367	CTG CAL .50 BALL M2	WC860
A554	1305000286369	CTG CAL .50 BALL M2	WC860
A555	1305000286339	CTG CAL .50 BALL M2 LNKD	WC860
A555	1305000286574	CTG CAL .50 BALL M33 LNKD	WC860
A557	1305000286583	CTG CAL .50 4 BALL M33/1 TR M17 LNKD M9	WC860
A557	1305000286587	CTG CAL .50 4 BALL M33/1 TR M17	WC860
A557	1305013702594	CTG CAL .50 4 BALL M33/1 TR M17 LNKD M9	WC860
A558	1305000286377	CTG CAL .50 BLK M1	WC150
A558	1305000933048	CTG CAL .50 BLK M1	WC150
A559	1305000286378	CTG CAL .50 BLK M1 LNKD M10/M12	WC150
A559	1305000286379	CTG CAL .50 BLK M1 LNKD	WC150
A559	1305000286380	CTG CAL .50 BLK M1	WC150
A562	1305003011642	CTG CAL .50 INC M1	WC860

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A562	1305003011643	CTG CAL .50 INC M1	WC860
A563	1305003011644	CTG CAL .50 INC M1	WC860
A563	1305005854392	CTG CAL .50 INC M23	IMR-4831
A564	1305000286594	CTG CAL .50 INC M1	WC860
A564	1305003050894	CTG CAL .50 INC M23	IMR-4831
A574	1305000286611	CTG CAL .50 SPOTTER TR M48	IMR-4831
A574	1305001530269	CTG CAL .50 SPOTTER TR M48	IMR-4831
A575	1305000286292	CTG CAL .50 HPT M1	WC860
A575	1305001263852	CTG CAL .50 HPT M1	WC860
A576	1305000038803	CTG CAL .50 4 API M8/1 API-T M20	WC860
A576	1305000286466	CTG CAL .50 4 API M8/1 API-T M20	WC860
A576	1305000286485	CTG CAL .50 3 API M8/1 API-T M20	WC860
A576	1305000286490	CTG CAL .50 4 API M8/1 API-T M20	WC860
A576	1305000286491	CTG CAL .50 4 API M8/1 API-T M20	WC860
A576	1305000286603	CTG CAL .50 4 API M8/1 API-T M20 LNKD	WC860
A577	1305000286488	CTG CAL .50 4 API M8/1 API-T M20	WC860
A577	1305000286604	CTG CAL .50 4 API M8/1 API-T M20	WC860
A577	1305000286605	CTG CAL .50 4 API M8/1 API-T M20	WC860
A577	1305005409645	CTG CAL .50 3 API M8/1 API-T M20	WC860
A584	1305005554056	CTG CAL .50 BALL M33 LNKD	WC860
A587	1305005851667	CTG CAL .50 4 API M8/1 API-T M20	WC860
A587	1305007527638	CTG CAL .50 4 API M8/1 API-T M20	WC860
A587	1305007528040	CTG CAL .50 4 API M8/1 API-T M20	WC860
A588	1305006894735	CTG CAL .50 4 BALL M33/1 TR M1 OR M10 OR M17	WC860
A589	1305006894709	CTG CAL .50 4 API M8/1 API-T M20 LNKD	WC860
A589	1305007527891	CTG CAL .50 4 API M8/1 API-T M20	WC860
A590	1305006894738	CTG CAL .50 4 API M8/1 TR M17	WC860
A592	1305000286469	CTG CAL .50 4 API M8/1 TR M1	WC860
A593	1305000678069	CTG CAL .50 4 AP M2/1 TR M17	WC860
A593	1305006894752	CTG CAL .50 4 AP M2/1 TR M1/M10/M17	WC860
A596	1305004707521	CTG CAL .50 4 AP M2/1 TR M1/M10/M17	WC860
A601	1305000286570	CTG CAL .50 BALL M33	WC860
A601	1305000286573	CTG CAL .50 BALL M33	WC860
A601	1305000286575	CTG CAL .50 BALL M33	WC860
A605	1305009352109	CTG CAL .50 BALL M33	WC860
A606	1305012508162	CTG CAL .50 API MK211 MOD0	WC860
A607	1305012496888	CTG CAL .50 4 API MK211 MOD0/1 API-T M20	WC860
A608	1305012512581	CTG CAL .50 4 API MK211 MOD0/1 TR M17	WC860
A612	1305000286346	CTG CAL .50 4 BALL M2/1 TR M17	WC860
A612	1305000286357	CTG CAL .50 4 BALL M2/1 TR M17	WC860
A621	1305000286582	CTG CAL .50 4 BALL M33/1 TR M17	WC860
A648	1305009650812	CTG 7.62MM NATO BALL M80	WC846
A651	1305005223700	CTG 20MM TP-T M220 ELECT	WC872
A651	1305007852829	CTG 20MM TP-T M220 ELECT	WC872
A651	1305011189930	CTG 20MM TP-T M220 ELECT	WC872
A652	1305001574886	CTG 20MM TP-T M220 ELECT	WC872
A652	1305005223701	CTG 20MM TP-T M220 ELECT	WC872

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A652	1305007852848	CTG 20MM TP-T M220 ELECT	WC872
A653	1305001437034	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC870
A653	1305001437034	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC872
A653	1305009356188	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC870
A653	1305009356188	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC872
A653	1305011352582	CTG 20MM 4 HEI M56A4/1 TP-T M220 LNKD M14A2	WC872
A654	1305000788220	CTG 20MM 7 TP M55A2/1 TP-T M220 LNKD	WC872
A655	1305001523660	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC870
A655	1305001523660	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A2	WC872
A655	1305005223707	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC870
A655	1305005223707	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC872
A655	1305009264058	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC870
A655	1305009264058	CTG 20MM 4 HEI M56A3/1 TP-T M220 LNKD M14A1	WC872
A655	1305011163932	CTG 20MM 4 HEI M56A4/1 TP-T M220 LNKD M14A2	WC872
A656	1305009264059	CTG 20MM 7 TP M55A2/1 TP-T M220 LNKD	WC872
A658	1305007835482	CTG 20MM 7 HEI M56A3/1 HEI-T M242 LNKD	WC870
A658	1305007835482	CTG 20MM 7 HEI M56A3/1 HEI-T M242 LNKD	WC872
A659	1305009356171	CTG 20MM HEI-T M242	WC872
A659	1305011189929	CTG 20MM HEI-T M242A1	WC872
A660	1305001691880	CTG 20MM HEI M56A3	WC870
A660	1305001691880	CTG 20MM HEI M56A3	WC872
A661	1305004970121	CTG 20MM TP M55 LNKD MK7 MOD1	WC872
A661	1305011531799	CTG 20MM TP M55 LNKD MK7 MOD1	WC872
A662	1305004970120	CTG 20MM HEI M56 LNKD MK7	WC870
A662	1305004970120	CTG 20MM HEI M56 LNKD MK7	WC872
A663	1305001823157	CTG 20MM 9 HEI M56A3/1 HEI-T M242 LNKD MK7	WC870
A663	1305001823157	CTG 20MM 9 HEI M56A3/1 HEI-T M242 LNKD MK7	WC872
A664	1305001823158	CTG 20MM 9 TP M56A2/1 TP-T M220	WC872
A665	1305001823250	CTG 20MM 4 HEI M56A3/1 HEI-T M242 LNKD MK14	WC870
A665	1305001823250	CTG 20MM 4 HEI M56A3/1 HEI-T M242 LNKD MK14	WC872
A665	1305011169529	CTG 20MM 4 HEI M56/1 HEI-T M242A1	WC872
A665	1305011663932	CTG 20MM 4 HEI M56/1 HEI-T M242A1	WC872
A666	1305011163927	CTG 20MM 10 HEI M56A4/1 HEI-T M242A1	WC872
A667	1305001823254	CTG 20MM 9 TP M55A2/1 TP-T M220 LNKD M14A2	WC872
A670	1305001691782	CTG 20MM TP M55A2	WC872
A672	1305001395923	CTG 20MM 1 AP-T M95/4 TP M204 LNKD M10	WC875
A672	1305012529814	CTG 20MM 1 AP-T M95/4 TP M204 LNKD M10	WC875
A677	1305012139658	CTG 20MM SAP HEI PGU-28/B	WC867
A678	1305012139656	CTG 20MM TP PGU-27/B	WC867
A679	1305012139657	CTG 20MM TP-T PGRU-30/B	WC867
A692	1305012884978	CTG 20MM APDS MK149 MOD4	WC867
A700	1305010100258	CTG 20MM TP M55A2	WC872
A701	1305010116324	CTG 20MM HEI M56A3 LNKD	WC870
A701	1305010116324	CTG 20MM HEI M56A3 LNKD	WC872
A701	1305011163935	CTG 20MM HEI M56A4	WC872
A701	1305012094292	CTG 20MM HEI M56A2	WC870
A741	1305000391068	CTG 20MM BL&T	SPDN

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A747	1305000551282	CTG 20MM 4 HEI M97/1 AP-T M95	IMR-4879
A762	1305013309494	CTG 20MM 4 PGU-28/B/1 PGU-30/B	WC867
A765	1305000284549	CTG 20MM AP-T M95	IMR-4879
A765	1305000284550	CTG 20MM AP-T M95	IMR-4879
A765	1305000284551	CTG 20MM AP-T M95	WC875
A765	1305000284553	CTG 20MM AP-T M95	IMR-4879
A765	1305005161425	CTG 20MM AP-T M95	IMR-4879
A765	1305009117272	CTG 20MM AP-T M95	IMR-4879
A769	1305000284548	CTG 20MM 2 HEI M97/2 INC M96/1 AP-T M95	IMR-4879
A769	1305007661147	CTG 20MM 1 HEI M97/1 INC M96/1 AP-T M95	IMR-4879
A770	1305000284547	CTG 20MM 2 HEI M97/2 INC M96/1 AP-T M95	IMR-4879
A770	1305004426532	CTG 20MM 2 HEI M97/2 INC M96/1 AP-T M95	IMR-4879
A772	1305012315892	CTG 20MM TP PGU-27/B	WC867
A773	1305009650873	CTG 20MM TP M204	WC875
A773	1305009650874	CTG 20MM TP M204	WC875
A777	1305007244089	CTG 20MM TP M204	WC875
A777	1305009650748	CTG 20MM TP M204	WC875
A785	1305002216466	CTG 20MM HEI M210	WC875
A792	1305001522859	CTG 20MM HEI-T SD M246	WC872
A792	1305001523659	CTG 20MM HEI-T SD M246 LNKD M14A2	WC872
A792	1305004011536	CTG 20MM HEI-T SD M246 LNKD M14A1	WC872
A792	1305009269279	CTG 20MM HEI-T SD M246 LNKD M14A1	WC872
A792	1305011163924	CTG 20MM HEI-T SD M246A1 LNKD M14A2	WC872
A792	1305011163925	CTG 20MM HEI-T SD M246A1 LNKD M14A2	WC872
A813	1305001437050	CTG 20MM 2 AP-T M95/2 INC M96	IMR-4879
A814	1305001437049	CTG 20MM 2 AP-T M95/2 INC M96	IMR-4879
A834	1305001809271	CTG 20MM 2 HEI M210/1 INC M96/2 AP-T M95	IMR-4879
A834	1305001809271	CTG 20MM 2 HEI M210/1 INC M96/2 AP-T M95	WC875
A835	1305001437176	CTG 20MM 2 HEI M210/3 INC M96	WC875
A852	1305001445527	CTG 20MM HEI M56A3	WC870
A852	1305001445527	CTG 20MM HEI M56A3	WC872
A852	1305008892042	CTG 20MM HEI M56A3	WC870
A852	1305008892042	CTG 20MM HEI M56A3	WC872
A852	1305009356059	CTG 20MM HEI M56A3	WC870
A852	1305009356059	CTG 20MM HEI M56A3	WC872
A852	1305011163933	CTG 20MM HEI M56A4	WC872
A855	1305002500200	CTG 20MM 4 INC M96/1 AP-T M95	IMR-4879
A857	1305010612213	CTG 20MM 7 TP M55A2/1 TP-T M220	WC872
A862	1305010032461	CTG 20MM 4 HEI M210/1 AP-T M95	WC875
A862	1305012517837	CTG 20MM 4 HEI M210/1 AP-T M95	WC875
A889	1305007561675	CTG 20MM TP M55A2	WC872
A889	1305009351944	CTG 20MM TP M55A2	WC872
A890	1305002624181	CTG 20MM HEI M56A2	WC870
A890	1305005420406	CTG 20MM HEI M56A1	WC870
A890	1305009359104	CTG 20MM HEI M56A3	WC870
A890	1305009359104	CTG 20MM HEI M56A3	WC872
A890	1305011163931	CTG 20MM HEI M56A3	WC870



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A890	1305011163931	CTG 20MM HEI M56A3	WC872
A890	1305011175316	CTG 20MM HEI M56A3	WC870
A890	1305011175316	CTG 20MM HEI M56A3	WC872
A890	1305011189928	CTG 20MM HEI M56A4	WC872
A890	1305012099081	CTG 20MM HEI M56A2	WC870
A890	1305012116248	CTG 20MM HEI M56A1	WC870
A891	1305001323283	CTG 20MM TP M55A2	WC872
A891	1305005420405	CTG 20MM TP M55A2	WC872
A891	1305006991382	CTG 20MM TP M55A1	IMR-4903
A891	1305007528114	CTG 20MM TP M55A2	WC872
A891	1305011164560	CTG 20MM TP M55A2	WC872
A891	1305011198548	CTG 20MM TP M55A2	WC872
A892	1305003085569	CTG 20MM HPT M54A1	WC870
A892	1305009352019	CTG 20MM HPT M54A1	WC870
A892	1305011163930	CTG 20MM HPT M54A1	WC870
A894	1305001445545	CTG 20MM TP M55A2	WC872
A894	1305008922161	CTG 20MM TP M55A2	WC872
A894	1305009356060	CTG 20MM TP M55A2	WC872
A896	1305001691784	CTG 20MM 4 TP M55A2/1 TP-T M220 LNKD M14A2	WC872
A896	1305009269421	CTG 20MM 4 TP M55A2/1 TP-T M220 LNKD M14A1	WC872
A918	1305008494535	CTG 20MM API M53	WC872
A918	1305008503986	CTG 20MM API M53	WC872
A919	1305001823081	CTG 20MM HEI M56A3	WC870
A919	1305001823081	CTG 20MM HEI M56A3	WC872
A919	1305005421120	CTG 20MM HEI M56A1	WC870
A919	1305008503676	CTG 20MM HEI M56A2	WC870
A919	1305008924321	CTG 20MM HEI M56A3	WC870
A919	1305008924321	CTG 20MM HEI M56A3	WC872
A919	1305009351942	CTG 20MM HEI M56A3	WC870
A919	1305009351942	CTG 20MM HEI M56A3	WC872
A919	1305009650560	CTG 20MM HEI M56A3 LNKD	WC870
A919	1305009650560	CTG 20MM HEI M56A3 LNKD	WC872
A919	1305011196068	CTG 20MM HEI M56A4	WC872
A926	1305001809268	CTG 20MM TP M55A2	WC872
A926	1305009650559	CTG 20MM TP M55A2	WC872
A941	1305013672911	CTG 25MM HEI PGU-38/U	WC890
A953	1305007528833	CTG 20MM HEI M56A1	WC870
A953	1305008892043	CTG 20MM HEI M56A3	WC870
A953	1305008892043	CTG 20MM HEI M56A3	WC872
A953	1305008922162	CTG 20MM HEI M56A2	WC870
A975	1305010941035	CTG 25MM HEI-T M792	WC890
A975	1305010947016	CTG 25MM HEI-T M792	WC890
A975	1305012118360	CTG 25MM HEI-T M792	WC890
A975	1305013560188	CTG 25MM HEI-T M792	HC 36FS
A975	1305013560188	CTG 25MM HEI-T M792	WC890
A975	1305013809884	CTG 25MM HEI-T M792	HC 36FS
A975	1305013809884	CTG 25MM HEI-T M792	WC890



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
A975	1305013983492	CTG 25MM HEI-T M792	HC 36FS
A975	1305013983492	CTG 25MM HEI-T M792	WC890
A976	1305010920429	CTG 25MM TP-T M793	HC 36FS
A976	1305010920429	CTG 25MM TP-T M793	WC890
A976	1305010950248	CTG 25MM TP-T M793	HC 36FS
A976	1305010950248	CTG 25MM TP-T M793	WC890
A976	1305012125066	CTG 25MM TP-T M793	HC 36FS
A976	1305012125066	CTG 25MM TP-T M793	WC890
A976	1305012991674	CTG 25MM TP-T M793	HC 36FS
A976	1305012991674	CTG 25MM TP-T M793	WC890
A976	1305013560189	CTG 25MM TP-T M793	HC 36FS
A976	1305013560189	CTG 25MM TP-T M793	WC890
A976	1305013805862	CTG 25MM TP-T M793	HC 36FS
A976	1305013805862	CTG 25MM TP-T M793	WC890
A976	1305014003115	CTG 25MM TP-T M793	HC 36FS
A976	1305014003115	CTG 25MM TP-T M793	WC890
A978	1305011363622	CTG 25MM TP PGU-23/U	WC890
A978	1305012106802	CTG 25MM TP PGU-23/U	HC 36
A978	1305012500101	CTG 25MM TP PGU-23/U	HC 36
A978	1305013907977	CTG 25MM TP PGU-23/U	HC 36
A979	1305011363623	CTG 25MM API PGU-20/U	WC890
A979	1305012512582	CTG 25MM API PGU-20/U	WC890
A980	1305011363624	CTG 25MM HEI PGU-22/U	WC890
A981	1305011982191	CTG 25MM HEI-T MK210	HC 36FS
A981	1305011982191	CTG 25MM HEI-T MK210	WC890
A981	1305012112581	CTG 25MM HEI-T MK210	HC 36FS
A981	1305012112581	CTG 25MM HEI-T MK210	WC890
A981	1305012717782	CTG 25MM HEI-T MK210	HC 36FS
A981	1305012717782	CTG 25MM HEI-T MK210	WC890
A982	1305011996737	CTG 25MM HEI (M5) PGU-25/U W/O TR	HC 36
A982	1305012500100	CTG 25MM HEI (M5) PGU-25/U W/O TR	HC 36
A982	1305012702318	CTG 25MM HEI (M5) PGU-25A/U W/O TR	HC 36
A982	1305013907978	CTG 25MM HEI PGU-25/U	HC 36FS
A982	1305013907978	CTG 25MM HEI PGU-25/U	WC890
A983	1305012197970	CTG 25MM API PGU-20/U LINKED	WC890
A988	1305013257036	CTG 25MM HEI-T M792	HC 36FS
A988	1305013257036	CTG 25MM HEI-T M792	WC890
A989	1305013338476	CTG 25MM TP-T M793	HC 36FS
A989	1305013338476	CTG 25MM TP-T M793	WC890
AA02	1305013937052	CTG 5.56 MM TR M856	WC844T
AA02	1305013937052	CTG 5.56 MM TR M856	WCR 845
AA04	1305013981449	CTG 7.62 MM NATO TR M62	WC846
AA08	1305014116098	CTG 5.56MM BALL M855	WC844
AA08	1305014116098	CTG 5.56MM BALL M855	WCR 845
AA11	1305014198202	CTG 7.62MM NATO SPEC BALL M118	WC750
AA11	1305014198202	CTG 7.62MM NATO SPEC BALL M118	WC846
AA33	1305014574589	CTG 5.56MM BALL M855	WC844

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
AA33	1305014574589	CTG 5.56MM BALL M855	WCR 845
AA41	1305014642541	CTG CAL .50 API MK211 MOD1	WC860
AA44	1305014673026	CTG 5.56MM BALL M855	WC844
AA45	1305014673033	CTG 5.56MM BALL M855	WC844
AA48	1305014673008	CTG 5.56MM BALL M855	WC844
AA58	1305014821053	CTG CAL .50 AP MK263-0	WC860
B103	1305010564907	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
B103	1305010835998	CTG 30MM 5 API PGU-14B/B/1 HEI PGU-13/B	SPDN
B103	1305010933340	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
B103	1305010951062	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
B103	1305011132462	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
B103	1305011461530	CTG 30MM 5 API PGU-14B/B/1 HEI PGU-13A/B	SPDN
B103	1305011572627	CTG 30MM 5 API PGU-14B/B/1 HEI PGU-13A/B	SPDN
B103	1305011610622	CTG 30MM 5 API PGU-14A/B/1 HEI PGU-13A/B	SPDN
B104	1305010231908	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
B104	1305010632168	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
B104	1305010933339	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
B104	1305011096985	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
B104	1305011449301	CTG 30MM HEI PGU-13 A/B (AEROJET)	SPDN
B104	1305011610621	CTG 30MM HEI PGU-13A/B (HONEYWELL)	SPDN
B104	1305011610623	CTG 30MM HEI PGU-13 A/B (AEROJET)	SPDN
B116	1305004165813	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
B116	1305010231907	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
B116	1305010577914	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
B116	1305010592594	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
B116	1305010933338	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
B116	1305010939568	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
B116	1305011408530	CTG 30MM TP PGU-15/B (HONEYWELL)	SPDN
B116	1305011416054	CTG 30MM TP PGU-15/B (AEROJET)	SPDN
B117	1305010577912	CTG 30MM API PGU-14A/B (HONEYWELL)	SPDN
B117	1305010577913	CTG 30MM API PGU 14-A/B OR B/B	SPDN
B117	1305010805376	CTG 30MM API PGU-14B/B (AEROJET)	SPDN
B470	1310001438863	CTG 40MM HE M384	M2
B475	1310001339413	CTG 40MM YLW SMK CANOPY M676	M9
B476	1310001791159	CTG 40MM GRN SMK CANOPY M679	M9
B477	1310001791163	CTG 40MM WHT SMK CANOPY M680	M9
B479	1310001791170	CTG 40MM RED SMK CANOPY M682	M9
B480	1310001809368	CTG 40MM PRAC M385A1	M2
B504	1310005416148	CTG 40MM GRN STAR PARA M661	M9
B505	1310005416149	CTG 40MM RED STAR PARA M662	M9
B506	1310005416150	CTG 40MM RED SMK M713	M9
B508	1310005416152	CTG 40MM GRN SMK M715	M9
B509	1310005416153	CTG 40MM YLW SMK M716	M9
B519	1310010507967	CTG 40MM TP M781	M9
B519	1310011075404	CTG 40MM TP M781	M9
B519	1310011488881	CTG 40MM TP M781	M9
B519	1310012118073	CTG 40MM TP M781	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
B534	1310009634061	CTG 40MM MULT-PROJ M576E1	M2
B535	1310001593198	CTG 40MM WHT STAR PARA M583A1	M9
B535	1310009229780	CTG 40MM WHT STAR PARA M583	M9
B536	1310009229784	CTG 40MM WHT STAR CLUSTER M585	M9
B542	1310008676609	CTG 40MM HEDP M430 LNKD	M2
B542	1310011598043	CTG 40MM HEDP M430 LNKD	M2
B542	1310013191541	CTG 40MM HEDP M430 LNKD	M2
B542	1310013500247	CTG 40MM HEDP M430A1	M2
B542	1310013548745	CTG 40MM HEDP M430A1	M2
B542	1310013625295	CTG 40MM HEDP M430A1	M2
B542	1310013625296	CTG 40MM HEDP M430	M2
B542	1310014198203	CTG 40MM HEDP M430A1	M2
B542	1310014199285	CTG 40MM HEDP M430A1	M2
B542	1310014209268	CTG 40MM HEDP M430A1	M2
B546	1310009920451	CTG 40MM HEDP M433	M9
B549	1310010338282	CTG 40MM HEI	M1
B551	1310000391119	CTG 40MM AP M81A1	SPDN
B552	1310000391123	CTG 40MM AP-T M81A1	SPDN
B552	1310003094931	CTG 40MM AP-T M81A1	SPDN
B552	1310003094932	CTG 40MM AP-T M81A1	SPDN
B552	1310003094933	CTG 40MM AP-T M81A1	SPDN
B552	1310003094934	CTG 40MM AP-T M81A1	SPDN
B552	1310005540092	CTG 40MM AP-T M81A1	SPDN
B554	1310000391142	CTG 40MM HE-SD	M1
B555	1310000391254	CTG 40MM HEI-P	M1
B556	1310000391141	CTG 40MM AA HEI-P-NP	M1
B557	1310000391132	CTG 40MM AA HEI-SD	M1
B558	1310000391187	CTG 40MM AA HEIT-NSD	M1
B559	1310000391304	CTG 40MM AA HEIT-SD	M1
B559	1310003094942	CTG 40MM AA HEIT-SD	M1
B559	1310003094943	CTG 40MM AA HEIT-SD	M1
B560	1310000391104	CTG 40MM AA HEIT-DI-SD	M1
B561	1310000391220	CTG 40MM AA HE-P-NP	M1
B562	1310000391202	CTG 40MM AA HE-T SD	M1
B562	1310000391244	CTG 40MM AA HE-T SD	M1
B562	1310003094935	CTG 40MM AA HE-T SD	M1
B562	1310003094936	CTG 40MM AA HE-T SD	M1
B562	1310003094937	CTG 40MM AA HE-T SD	M1
B562	1310003094938	CTG 40MM AA HE-T SD	M1
B562	1310003094939	CTG 40MM AA HE-T SD	M1
B562	1310003094940	CTG 40MM AA HE-T SD	M1
B562	1310003094941	CTG 40MM AA HE-T SD	M1
B562	1310003241410	CTG 40MM AA HE-T SD	M1
B563	1310000391199	CTG 40MM BL-P PROJ MK2 MODS	SPDN
B564	1310000391079	CTG 40MM BL-HET & HEIT	M1
B567	1310008492083	CTG 40MM CS M651E1	M9
B568	1310007248081	CTG 40MM HE M406	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
B568	1310008419288	CTG 40MM HE M406	M9
B569	1310009793563	CTG 40MM HE M397	M9
B570	1310004713615	CTG 40MM HE M406 LNKD	M9
B571	1310009760907	CTG 40MM HE M383 LNKD	M2
B571	1310011962654	CTG 40MM HE M383 LNKD	M2
B572	1310009760908	CTG 40MM HE M384 LNKD	M2
B572	1310011962655	CTG 40MM HE M384	M2
B573	1310001339342	CTG 40MM HE XM684	M2
B574	1310007248162	CTG 40MM HE M386	M9
B576	1310009947441	CTG 40MM TP M385 LNKD	M2
B576	1310011593184	CTG 40MM TP M385 LNKD	M2
B576	1310013169973	CTG 40MM TP M385 LNKD	M2
B576	1310013619039	CTG 40MM TP M385 LNKD	M2
B577	1310007248082	CTG 40MM PRAC M407A1	M9
B577	1310009650738	CTG 40MM PRAC M407A1	M9
B578	1310006905761	CTG 40MM PROOF M387	M9
B584	1310012187069	CTG 40MM TP M918 LNKD	M2
B584	1310012187070	CTG 40MM TP M918 LNKD	M2
B584	1310013175948	CTG 40MM TP M918 LNKD	M2
B584	1310013625294	CTG 40MM TP M918 LNKD	M2
B585	1310009263953	CTG 57MM CSTR T25E3	M10
B586	1310000284585	CTG 57MM HE M306A1	M10
B586	1310009261929	CTG 57MM HE M306A1	M10
B587	1310000284588	CTG 57MM HEAT M307A1	M10
B588	1310000284589	CTG 57MM TP M306A1	M10
B590	1310000284582	CTG 57MM SMK WP M308A1 W/FUZE PD M503A2	M10
B590	1310001823233	CTG 57MM SMK WP M308A1 W/FUZE PD M503A2	M10
B592	1310012838652	CTG 40MM TP M918	M2
B617	1310010508895	CTG IGN M702	M9
B617	1310013426874	CTG IGN M702	M9
B620	1310000963076	CTG IGN M5A1 F/60MM MORTAR	M9
B620	1310010510959	CTG IGN M5A2 F/60MM MORTAR	M9
B621	1310000963073	CTG IGN M4 F/60MM MORTAR	M9
B621	1310000963074	CTG IGN M4 F/60MM MORTAR	M9
B621	1310000963075	CTG IGN M4 F/60MM MORTAR	M9
B622	1310000284981	CHG PROP M3A1 F/60MM MORTAR	M8
B623	1310000963083	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
B623	1310000963083	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
B623	1310002205183	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
B623	1310002205183	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
B623	1310007294593	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
B623	1310007294593	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
B623	1310007527616	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
B623	1310007527616	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
B623	1310007528507	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8
B623	1310007528507	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
B623	1310008287429	FIN ASSY 60MM M2 W/CTG IGN M5A1	M8

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
B623	1310008287429	FIN ASSY 60MM M2 W/CTG IGN M5A1	M9
B627	1310001135911	CTG 60MM ILLUM M83A3	M8
B627	1310001135911	CTG 60MM ILLUM M83A3	M9
B627	1310001437056	CTG 60MM ILLUM M83A3	M8
B627	1310001437056	CTG 60MM ILLUM M83A3	M9
B627	1310007825518	CTG 60MM ILLUM M83A3	M8
B627	1310007825518	CTG 60MM ILLUM M83A3	M9
B630	1310000263976	CTG 60MM SMK WP M302A1	M8
B630	1310000263976	CTG 60MM SMK WP M302A1	M9
B630	1310001401536	CTG 60MM SMK WP M302A1	M8
B630	1310001401536	CTG 60MM SMK WP M302A1	M9
B630	1310002246305	CTG 60MM SMK WP M302A1	M8
B630	1310002246305	CTG 60MM SMK WP M302A1	M9
B630	1310009263951	CTG 60MM SMK WP M302A1	M8
B630	1310009263951	CTG 60MM SMK WP M302A1	M9
B630	1310009356189	CTG 60MM SMK WP M302A1	M8
B630	1310009356189	CTG 60MM SMK WP M302A1	M9
B630	1310009359129	CTG 60MM SMK WP M302A1	M8
B630	1310009359129	CTG 60MM SMK WP M302A1	M9
B630	1310012409252	CTG 60MM SMK WP M302A1	M8
B630	1310012409252	CTG 60MM SMK WP M302A1	M9
B630	1310012409253	CTG 60MM SMK WP M302A1	M8
B630	1310012409253	CTG 60MM SMK WP M302A1	M9
B632	1310000158809	CTG 60MM HE M49A4	M8
B632	1310000158809	CTG 60MM HE M49A4	M9
B632	1310000284944	CTG 60MM HE M49A2	M8
B632	1310000284944	CTG 60MM HE M49A2	M9
B632	1310001348359	CTG 60MM HE M49A4	M8
B632	1310001348359	CTG 60MM HE M49A4	M9
B632	1310001437021	CTG 60MM HE M49A4	M8
B632	1310001437021	CTG 60MM HE M49A4	M9
B632	1310005420383	CTG 60MM HE M49A2	M8
B632	1310005420383	CTG 60MM HE M49A2	M9
B632	1310006824710	CTG 60MM HE M49A2	M8
B632	1310006824710	CTG 60MM HE M49A2	M9
B632	1310009269308	CTG 60MM HE M49A4	M8
B632	1310009269308	CTG 60MM HE M49A4	M9
B632	1310009269428	CTG 60MM HE M49A4	M8
B632	1310009269428	CTG 60MM HE M49A4	M9
B632	1310009359130	CTG 60MM HE M49A4	M8
B632	1310009359130	CTG 60MM HE M49A4	M9
B632	1310012409254	CTG 60MM HE M49A4	M8
B632	1310012409254	CTG 60MM HE M49A4	M9
B632	1310012409255	CTG 60MM HE M49A4	M8
B632	1310012409255	CTG 60MM HE M49A4	M9
B634	1310000284939	CTG 60MM TP M50A2	M8
B634	1310000284939	CTG 60MM TP M50A2	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
B634	1310000284940	CTG 60MM TP M50A2	M8
B634	1310000284940	CTG 60MM TP M50A2	M9
B634	1310005092970	CTG 60MM TP M50A2	M8
B634	1310005092970	CTG 60MM TP M50A2	M9
B634	1310005092971	CTG 60MM TP M50A2	M8
B634	1310005092971	CTG 60MM TP M50A2	M9
B634	1310005699873	CTG 60MM TP M50A2	M8
B634	1310005699873	CTG 60MM TP M50A2	M9
B634	1310009351995	CTG 60MM TP M50A3	M8
B634	1310009351995	CTG 60MM TP M50A3	M9
B634	1310012764075	CTG 60MM TP M50A3	M8
B634	1310012764075	CTG 60MM TP M50A3	M9
B642	1310010227680	CTG 60MM HE M720	M10
B642	1310010227680	CTG 60MM HE M720	M9
B643	1310011493185	CTG 60MM HE M888	M10
B643	1310011493185	CTG 60MM HE M888	M9
B646	1310012361354	CTG 60MM SMK WP M722 W/PD FUZE	M10
B646	1310012361354	CTG 60MM SMK WP M722 W/PD FUZE	M9
B647	1310012588689	CTG 60MM ILLUM M721 W/FZ MTSQ M776	M10
B647	1310012588689	CTG 60MM ILLUM M721 W/FZ MTSQ M776	M9
BA04	1310014386964	CTG 60MM ILLUM M767 W/FUZE M776	M10
BA04	1310014386964	CTG 60MM ILLUM M767 W/FUZE M776	M9
BA14	1310014821259	CTG 60MM SMK WP M722E1 W/FUZE M783	M10
BA14	1310014821259	CTG 60MM SMK WP M722E1 W/FUZE M783	M9
BA15	1310014821257	CTG 60MM PRAC FR M769	M38/WC819
BA15	1310014821257	CTG 60MM PRAC FR M769	M9
BA16	1310014184362	CTG 60MM HE M720A1	M38/WC819
BA16	1310014184362	CTG 60MM HE M720A1	M9
BA17	1310014871944	CTG 60MM HE M768	M38/WC819
BA17	1310014871944	CTG 60MM HE M768	M9
BX08	1310008546648	CHG PROP INCREM M181	M8
BX14	1310008265395	CHG PROP INCREM M182	M8
C009	1315009368253	CTG IGN M285 F/81MM MORTAR	M9
C010	1315001436874	CTG IGN M66A1 F/81MM MORTAR	M9
C010	1315008251400	CTG IGN M66 F/81MM MORTAR	M9
C019	1315008546645	INCREM PROP M5	M9
C020	1315004250725	CHG PROP INCREM M185	M9
C021	1315003703548	CHG PROP INCREM A M90A1 F/81MM MORTAR	M9
C022	1315003789841	CHG PROP INCREM B M90A1 F/81MM MORTAR	M9
C027	1315000284664	CTG 75MM HE M48	M1
C027	1315000284690	CTG 75MM HE M48	M1
C027	1315000284691	CTG 75MM HE M48	M1
C027	1315008924996	CTG 75MM HE M48	M1
C027	1315008925002	CTG 75MM HE M48	M1
C043	1315010508882	CHG PROP M205	M10
C044	1315013292575	PROP CHG M220	M38/WC819
C051	1315000284654	CTG 75MM HE M309	M10

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C051	1315000284658	CTG 75MM HE M309A1	M10
C051	1315008924896	CTG 75MM HE M309A1	M10
C052	1315000284662	CTG 75MM HEAT-T M310A1	M10
C053	1315000284651	CTG 75MM HEP-T M349	M10
C054	1315000284661	CTG 75MM TP M309A1	M10
C057	1315000284659	CTG 75MM HE M309A1	M10
C058	1315011727796	CTG 76MM/62 CAL VT-NF MK202 MOD0	M6+2
C059	1315011317823	CTG 76MM/62 CAL HE-VT MK208 MOD0	M6+2
C060	1315010645607	CTG 76MM/62 CAL HE-IR MK199 MOD0	M6+2
C060	1315010783738	CTG 76MM/62 CAL (HE-IR) MK199 MOD1	M6+2
C061	1315010645608	CTG 76MM/62 CAL HE-PD MK200 MOD0	M6+2
C061	1315010783739	CTG 76MM/62 CAL HE-PD MK200 MOD1	M6+2
C062	1315010645609	CTG 76MM/62 CAL BL-P MK201 MOD0	M6+2
C062	1315010783740	CTG 76MM/62 CAL BL-P MK201 MOD1	M6+2
C075	1315000284647	CTG 75MM APC-T M61A1	M1
C098	1315007528475	CTG 76MM TP-T M340A1	M17
C098	1315007528475	CTG 76MM TP-T M340A1	M30
C112	1315004880976	CTG 76MM/62 CAL HE-IR MK165 MOD0	M6+2
C112	1315010587984	CTG 76MM/62 CAL HE-IR MK165 MOD1	M6+2
C113	1315004880978	CTG 76MM/62 CAL HE-PD MK166 MOD1	M6+2
C113	1315010587985	CTG 76MM/62 CAL HE-PD MK166 MOD1	M6+2
C115	1315004880982	CTG 76MM/62 CAL PRAC BL&P MK168 MOD0	M6+2
C115	1315010574016	CTG 76MM MK168 MOD1	M6+2
C116	1315004880996	CHG CLEARING 76MM/62 CAL MK76 MOD0	M6+2
C116	1315010840325	CHG CLEARING 76MM/62 MK76 MOD1	M6+2
C122	1315000284732	CTG 76MM HE M352	M6
C122	1315000284734	CTG 76MM HE M352	M6
C122	1315000895166	CTG 76MM HE M352	M6
C122	1315000895167	CTG 76MM HE M352	M6
C128	1315000284737	CTG 76MM SMK WP M361	M6
C136	1315005557391	CTG 3IN/50 CAL HE-VT-SD MK33 FL	SPDF
C137	1315005557426	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
C138	1315000391516	CTG 3IN/50 CAL HE-VT MK33 FL	SPDF
C140	1315005557201	CTG 3IN/50 CAL HE-VT-SD MK33 NFL	SPDN
C141	1315005557393	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
C142	1315000391515	CTG 3IN/50 CAL HE-VT MK33 NFL	SPDN
C143	1315000391682	CTG 3IN/50 CAL AP MK29 FL	SPDF
C150	1315003512751	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
C150	1315007663734	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
C150	1315011807458	CTG 3IN/50 CAL HE-VT-NSD MK33 FL	SPDF
C151	1315003644681	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
C151	1315007663732	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
C151	1315011807460	CTG 3IN/50 CAL HE-VT-NSD MK33 NFL	SPDN
C152	1315003644664	CTG 3IN/50 CAL HE-VT-SD MK33 FL	SPDF
C152	1315007663733	CTG 3IN/50 CAL HE-VT-SD MK33 FL	SPDF
C153	1315003512752	CTG 3IN/50 CAL HE-VT-SD MK33 NFL	SPDN
C153	1315007663731	CTG 3IN/50 CAL HE-VT-SD MK33 NFL	SPDN



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C162	1315000391571	CTG 3IN/50 CAL VT-NF-SD MK33 MODS NFL	SPDN
C162	1315005556991	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
C162	1315006203505	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
C162	1315006203507	CTG 3IN/50 CAL VT-NF-SD MK33 MODS NFL	SPDN
C166	1315000391632	CTG 3IN/50 CAL VT-NF MK33 MODS	SPDN
C172	1315009305830	CTG 3IN/50 CAL ILLUM MK25	SPDF
C178	1315000391487	CTG 3IN/50 CAL BL-P MK27 NFL	SPDN
C178	1315000391517	CTG 3IN/50 CAL BL-P MK27 NFL	SPDN
C179	1315000391499	CTG 3IN/50 CAL BL-P MK188 MOD0 FL	SPDF
C179	1315000391546	CTG 3IN/50 CAL BL-T MK27 FL	SPDF
C184	1315000391648	CHG CLEARING 3IN/50 CAL SF FL	SPDF
C185	1315007663735	CHG CLEARING 3IN/50 CAL RF FL	SPDF
C190	1315005161518	CTG 3IN/70 MK34 MODS NSD VT FCL	SPCG/Cordite N
C197	1315005409140	CTG 3IN/70 CAL VT-NF-NSD MK34 FL	SPCG/Cordite N
C205	1315007663719	CTG 3IN/50 CAL HE-VT MK31 NFL	SPDN
C205	1315007663720	CTG 3IN/50 CAL HE-VT MK31 NFL	SPDN
C207	1315002941751	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
C207	1315002941752	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
C207	1315007663753	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
C207	1315007663754	CTG 3IN/50 CAL HE-VT-SD MK31 NFL	SPDN
C208	1315007663723	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
C208	1315007663724	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
C208	1315007663725	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
C208	1315007678240	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
C208	1315011807457	CTG 3IN/50 CAL HE-VT-NSD MK31 NFL	SPDN
C212	1315007663747	CTG 3IN/50 CAL AP MK29 NFL	SPDN
C212	1315007663748	CTG 3IN/50 CAL AP MK29 NFL	SPDN
C215	1315007663745	CTG 3IN/50 CAL AP MK29 FL	SPDF
C215	1315007663746	CTG 3IN/50 CAL AP MK29 FL	SPDF
C218	1315007663739	CTG 3IN/50 CAL HC MK27 NFL	SPDN
C218	1315007663740	CTG 3IN/50 CAL HC MK27 NFL	SPDN
C222	1315000285004	CTG 81MM HE M362 W/PD FUZE	M9
C222	1315001823426	CTG 81MM HE M362 W/PD FUZE	M9
C222	1315005851742	CTG 81MM HE M362 W/PD FUZE	M9
C222	1315006025177	CTG 81MM HE M362 W/PD FUZE	M9
C222	1315007020724	CTG 81MM HE M362 W/FUZE PD M524E2	M9
C222	1315008923968	CTG 81MM HE M362 W/PD FUZE	M9
C223	1315005420179	CTG 81MM HE M362 W/O FUZE	M9
C225	1315000284968	CTG 81MM HE M43A1 W/FUZE PD M525	M8
C225	1315000284968	CTG 81MM HE M43A1 W/FUZE PD M525	M9
C225	1315005554778	CTG 81MM HE M43A1 W/FUZE PD M525	M8
C225	1315005554778	CTG 81MM HE M43A1 W/FUZE PD M525	M9
C225	1315005851739	CTG 81MM HE M43A1 W/FUZE PD M525	M8
C225	1315005851739	CTG 81MM HE M43A1 W/FUZE PD M525	M9
C226	1315000284964	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
C226	1315000284964	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
C226	1315001437048	CTG 81MM M301A3 W/FUZE TIME M84A1	M9



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C226	1315001437122	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
C226	1315001437122	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
C226	1315001645290	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
C226	1315001645290	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
C226	1315001645339	CTG 81MM M301A3 W/FUZE TIME M84A1	M9
C226	1315001645339	CTG 81MM M301A3 W/FUZE TIME M84A1	M9
C226	1315005409610	CTG 81MM ILLUM M301 W/FUZE TIME M84	M8
C226	1315005409610	CTG 81MM ILLUM M301 W/FUZE TIME M84	M9
C227	1315000285000	CTG 81MM TP M43A1 W/PD FUZE	M8
C227	1315000285000	CTG 81MM TP M43A1 W/PD FUZE	M9
C227	1315005092972	CTG 81MM TP M43A1 W/PD FUZE	M8
C227	1315005092972	CTG 81MM TP M43A1 W/PD FUZE	M9
C227	1315008887627	CTG 81MM TP M43A1 W/PD FUZE	M8
C227	1315008887627	CTG 81MM TP M43A1 W/PD FUZE	M9
C227	1315009351992	CTG 81MM TP M43A1 W/PD FUZE	M8
C227	1315009351992	CTG 81MM TP M43A1 W/PD FUZE	M9
C231	1315000284989	CTG 81MM WP M57A1 W/FUZE TSQ M77	M8
C231	1315000284989	CTG 81MM WP M57A1 W/FUZE TSQ M77	M9
C235	1315008841731	CTG 81MM LEAFLET MK112 MOD0	M8
C235	1315008841731	CTG 81MM LEAFLET MK112 MOD0	M9
C236	1315001437184	CTG 81MM HE M374A2 W/O FUZE	M9
C236	1315009356007	CTG 81MM HE M374 W/O FUZE	M9
C236	1315009356013	CTG 81MM HE M374 W/O FUZE	M9
C236	1315009356033	CTG 81MM HE M374 W/O FUZE	M9
C236	1315009356033	CTG 81MM HE M374 W/O FUZE	M9
C236	1315009650597	CTG 81MM HE M374 W/O FUZE	M9
C236	1315013550736	CTG 81MM HE M374 W/O FUZE	M9
C239	1315000284983	CHG PROP INCREM M2A1 F/81MM MORTAR	M8
C239	1315008265404	CHG PROP INCREM M2A1 F/81MM MORTAR	M8
C239	1315009650841	CHG PROP INCREM M2A1 F/81MM MORTAR	M8
C240	1315000284982	CHG PROP INCREM M1A1 F/81MM MORTAR	M8
C242	1315000284956	CTG IGN M6	M9
C242	1315000284957	CTG IGN M6	M9
C242	1315000963081	CTG IGN M6	M9
C242	1315005555530	CTG IGN M6	M9
C243	1315000284954	CTG IGN M3 F/81MM MORTAR M1 AMMO	M9
C243	1315005554274	CTG IGN M3 F/81MM MORTAR M1 AMMO	M9
C245	1315000284959	CTG IGN M8 F/81MM MORTAR	M9
C245	1315005544638	CTG IGN M8 F/81MM MORTAR	M9
C250	1315009996308	CTG 81MM WINDOW MK115 MOD0	M8
C250	1315009996308	CTG 81MM WINDOW MK115 MOD0	M9
C256	1315001348984	CTG 81MM HE M374A2 W/PD FUZE	M9
C256	1315004986407	CTG 81MM HE M374A2 W/PD FUZE	M9
C256	1315005637067	CTG 81MM HE M374A3 W/PD FUZE	M10
C256	1315005637067	CTG 81MM HE M374A3 W/PD FUZE	M9
C256	1315007825544	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315007825547	CTG 81MM HE M374 W/FUZE PD M524A5	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C256	1315009351931	CTG 81MM HE M374A2 W/PD FUZE	M9
C256	1315009356002	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315009356008	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315009356010	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315009356029	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315009356030	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315009356031	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315009356032	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315011277481	CTG 81MM HE M374 W/PD FUZE	M9
C256	1315011476307	CTG 81MM HE M374 W/PD FUZE	M9
C258	1315001475895	CTG 90MM SMK WP M313C	M1
C258	1315008921593	CTG 90MM SMK WP M313C	M1
C258	1315008921594	CTG 90MM SMK WP M313	M15
C258	1315008921594	CTG 90MM SMK WP M313	M6
C260	1315000284424	CTG 90MM APC-T M82	M6
C260	1315000284426	CTG 90MM APC-T M82	M6
C260	1315000284434	CTG 90MM APC-T M82	M6
C260	1315000284435	CTG 90MM APC-T M82	M6
C260	1315000284452	CTG 90MM APC-T M82	M6
C260	1315000284467	CTG 90MM APC-T M82	M6
C262	1315000284431	CTG 90MM CSTR M336	M2
C262	1315003011080	CTG 90MM CSTR M336	M2
C266	1315000284427	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315000284428	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315000284429	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315000284455	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315000284478	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315000284481	CTG 90MM HE M71 W/PD FUZE	M6
C266	1315000579580	CTG 90MM HE M71 W/PD FUZE	M6
C266	1315008924928	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315009650674	CTG 90MM HE M71 W/PD FUZE	M15
C266	1315009650675	CTG 90MM HE M71 W/PD FUZE	M15
C267	1315000284411	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284417	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284418	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284422	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284430	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284432	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284433	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284458	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284459	CTG 90MM HE M71 W/O FUZE	M6
C267	1315000284460	CTG 90MM HE M71 W/O FUZE	M6
C268	1315003442349	CTG 90MM HEAT T108E46	M1
C268	1315003442349	CTG 90MM HEAT T108E46	M6
C270	1315000284397	CTG 90MM HVAP-T M332	M17
C270	1315003011751	CTG 90MM HVAP-T M332	M17
C273	1315000284476	CTG 90MM SMK WP M313	M15

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C273	1315000284476	CTG 90MM SMK WP M313	M6
C273	1315000284480	CTG 90MM SMK WP M313	M15
C273	1315000284480	CTG 90MM SMK WP M313	M6
C273	1315000284482	CTG 90MM SMK WP M313	M15
C273	1315000284482	CTG 90MM SMK WP M313	M6
C275	1315001438235	CTG 90MM APERS-T M580	M6
C275	1315001438235	CTG 90MM APERS-T M580	M9
C275	1315009269328	CTG 90MM APERS-T M580	M6
C275	1315009269328	CTG 90MM APERS-T M580	M9
C276	1315002419275	CTG 81MM SMK WP M375A2 W/FUZE M567	M9
C276	1315004440132	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315004986406	CTG 81MM SMK WP M375A2 W/PD FUZE	M9
C276	1315005747680	CTG 81MM SMK WP M375A3 W/FUZE M567	M10
C276	1315005747680	CTG 81MM SMK WP M375A3 W/FUZE M567	M9
C276	1315007825543	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315007825838	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315009351926	CTG 81MM SMK WP M375A2 W/FUZE M524A5	M9
C276	1315009356003	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315009356068	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315009356075	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315009356076	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315009359170	CTG 81MM SMK WP M375 W/FUZE	M9
C276	1315011396770	CTG 81MM SMK WP M375 W/FUZE	M9
C279	1315004345508	CHG PROP M90A1 CHG A & B	M9
C280	1315000579576	CTG 90MM HE-T M71A1 W/F	M1
C280	1315000579577	CTG 90MM HE-T M71A1 W/F	M1
C280	1315001502334	CTG 90MM HE-T M71A1 W/F	M1
C280	1315001695409	CTG 90MM HE-T M71A1 W/F	M1
C280	1315001695411	CTG 90MM HE-T M71A1 W/F	M1
C280	1315004338714	CTG 90MM HE-T M71A1 W/F	M1
C280	1315007273637	CTG 90MM HE-T M71A1 W/F	M1
C280	1315007527574	CTG 90MM HE-T M71A1 W/F	M1
C280	1315007527575	CTG 90MM HE-T M71A1 W/F	M1
C280	1315008924236	CTG 90MM HE-T M71A1 W/F	M1
C280	1315009261885	CTG 90MM HE-T M71A1 W/F	M1
C280	1315009261888	CTG 90MM HE-T M71A1 W/F	M1
C280	1315009261889	CTG 90MM HE-T M71A1 W/F	M1
C280	1315009650660	CTG 90MM HE-T M71A1 W/F	M1
C280	1315009650661	CTG 90MM HE-T M71A1 W/F	M1
C282	1315000688472	CTG 90MM HEAT M371A1	M5
C282	1315008924307	CTG 90MM HEAT M371A1	M5
C283	1315008892019	CTG 90MM PRAC M371 W/FUZE PIBD M530A1	M5
C283	1315009261859	CTG 90MM PRAC M371 W/FUZE PIBD M530	M5
C285	1315000284741	CTG 90MM AP-T M318	M17
C285	1315000284741	CTG 90MM AP-T M318	M30
C285	1315000284741	CTG 90MM AP-T M318	M6
C285	1315000284742	CTG 90MM AP-T M318	M17

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C285	1315000284742	CTG 90MM AP-T M318	M30
C285	1315000284742	CTG 90MM AP-T M318	M6
C285	1315009263974	CTG 90MM AP-T M318	M30
C289	1315001275502	CTG 90MM TP-T M764	M1
C290	1315009650783	CTG 90MM TP-T M353A1	M30
C294	1315001438472	CTG 90MM HEAT-T M431A2	Benite
C294	1315001438472	CTG 90MM HEAT-T M431A2	M30
C294	1315005622291	CTG 90MM HEAT-T M431A1	Benite
C294	1315005622291	CTG 90MM HEAT-T M431A1	M30
C294	1315006786114	CTG 90MM HEAT-T M431	Benite
C294	1315006786114	CTG 90MM HEAT-T M431	M30
C294	1315007561688	CTG 90MM HEAT-T M431	Benite
C294	1315007561688	CTG 90MM HEAT-T M431	M30
C294	1315008892087	CTG 90MM HEAT-T M431A1	Benite
C294	1315008892087	CTG 90MM HEAT-T M431A1	M30
C294	1315008924113	CTG 90MM HEAT-T M431	Benite
C294	1315008924113	CTG 90MM HEAT-T M431	M30
C296	1315002941843	CTG 3IN/50 HC MK27 FLASHLESS	SPCG/Cordite N
C296	1315002941843	CTG 3IN/50 HC MK27 FLASHLESS	SPDF
C296	1315002941869	CTG 3IN/50 CAL HC MK27 FL	SPDF
C299	1315002941628	CTG 3IN/50 CAL AA MK27 NFL	SPDN
C299	1315002941725	CTG 3IN/50 CAL AA MK27 NFL	SPDN
C302	1315002941857	CTG 3IN/50 CAL AA MK27 FL	SPDF
C302	1315002942131	CTG 3IN/50 CAL AA MK27 FL	SPDF
C305	1315002942453	CTG 3IN/50 CAL ILLUM MK25	SPDF
C305	1315002942454	CTG 3IN/50 CAL ILLUM MK25	SPDF
C305	1315011423062	CTG 3IN/50 CAL ILLUM MK25	SPCG/Cordite N
C305	1315011423062	CTG 3IN/50 CAL ILLUM MK25	SPDF
C306	1315001365440	CTG 3IN/50 CAL HE-IR MK33 NFL	SPDN
C306	1315003644857	CTG 3IN/50 CAL HE-IR MK175 MOD0 NFL	SPDN
C307	1315001365441	CTG 3IN/50 CAL HE-IR MK33 FL	SPDF
C307	1315001404480	CTG 3IN/50 CAL HE-IR MK33 FL	SPDF
C307	1315003644882	CTG 3IN/50 CAL HE-IR MK33 FL	SPDF
C318	1315007670786	CTG 3IN/50 CAL VT-NF MK31 MODS NFL	SPDN
C319	1315002942460	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
C319	1315007663721	CTG 3IN/50 CAL VT-NF MK31 MODS	SPDN
C319	1315007663722	CTG 3IN/50 CAL VT-NF-SD MK31 MODS NFL	SPDN
C320	1315002941779	CTG 3IN/50 CAL VT-NF-NSD MK31 MODS NFL	SPDN
C320	1315007663717	CTG 3IN/50 CAL VT-NF-NSD MK31 MODS NFL	SPDN
C321	1315001410233	CTG 3IN/50 CAL HE-IR MK31 NFL	SPDN
C322	1315001410234	CTG 3IN/50 CAL HE-IR MK31 FL	SPDF
C338	1315000191354	CTG 3IN/50 CAL BL-P MK29 NFL	SPDN
C338	1315002941611	CTG 3IN/50 CAL BL-T MK29 NFL	SPDN
C338	1315002941756	CTG 3IN/50 CAL BL-T MK27 NFL	SPDN
C338	1315007663743	CTG 3IN/50 CAL BL-P MK189 MOD0 NFL	SPDN
C338	1315007663744	CTG 3IN/50 CAL BL-P MK27 NFL	SPDN
C338	1315009628624	CTG 3IN/50 CAL BL-P MK29 NFL	SPDN

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C341	1315000191355	CTG 3IN/50 CAL BL-P MK29 FL	SPDF
C341	1315007663750	CTG 3IN/50 CAL BL-T MK27 FL	SPDF
C341	1315007663752	CTG 3IN/50 CAL BL-P MK185 MOD0 FL	SPCG/Cordite N
C341	1315007663752	CTG 3IN/50 CAL BL-P MK185 MOD0 FL	SPDF
C341	1315009628625	CTG 3IN/50 CAL BL-P MK29 FL	SPDF
C347	1315000391737	CTG 3IN/50 CAL HC MK27 FL	SPDF
C347	1315005419925	CTG 3IN/50 CAL HC MK33 MODS W/FZ PD MK30	SPDF
C348	1315000391735	CTG 3IN/50 CAL HC MK27 NFL	SPDN
C348	1315005404809	CTG 3IN/50 CAL HC NF MK33 MODS	SPD
C349	1315003287950	CTG 3IN/50 CAL HE-PD MK31 NFL	SPDN
C353	1315002941819	CTG 3IN/50 CAL HE-VT MK31 FL W/O FUZE	SPDF
C353	1315002941837	CTG 3IN/50 CAL HE-VT MK31 FL W/O FUZE	SPDF
C355	1315002941636	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
C355	1315002941655	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
C355	1315003287943	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
C355	1315007663726	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
C355	1315007663727	CTG 3IN/50 CAL HE-VT-SD MK31 FL	SPDF
C356	1315007663728	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
C356	1315007663729	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
C356	1315007663730	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
C356	1315007678239	CTG 3IN/50 CAL HE-VT-NSD MK31 FL	SPDF
C373	1315002255347	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
C373	1315009776207	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
C375	1315002255346	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
C375	1315002255348	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
C375	1315009776208	CTG 3IN/50 CAL NF-VT-SD MK36 MOD0 NFL	SPDN
C380	1315012692256	CTG 120MM APFSDS-T M829A1	Benite
C380	1315012692256	CTG 120MM APFSDS-T M829A1	JA2
C410	1315009269243	CTG 90MM CSTR M590	M5
C429	1315007561676	CTG 105MM HEP-T M393A1	M1
C429	1315009356042	CTG 105MM HEP-T M393A1	M1
C430	1315001068548	CTG 105MM HE M1 W/O FUZE	M1
C430	1315013691245	CTG 105MM HE M1 W/O FUZE	M1
C430	1315013691245	CTG 105MM HE M1 W/O FUZE	M1
C431	1315000216478	CTG 105MM SMK WP M60A2 (MOD) W/O FUZE	M1
C431	1315000216478	CTG 105MM SMK WP M60A2 (MOD) W/O FUZE	M1
C433	1315001570796	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
C435	1315008287465	CHG PROP 105MM M327	M6
C436	1315008251384	CHG PROP M67	M1
C436	1315012379775	CHG PROP M67	M1
C436	1315013367185	CHG PROP M67	M1
C436	1315014139822	CHG PROP M67	M1
C437	1315001529912	CHG PROP 105MM M121 LD ASSY	M30A1
C441	1315002038985	CTG 105MM CHEM AGENT GB M360	M1
C441	1315006408857	CTG 105MM CHEM AGENT GB M360	M1
C441	1315009263952	CTG 105MM CHEM AGENT GB M360	M1
C441	1315010821234	CTG 105MM CHEM AGENT GB M360	M1

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C442	1315000284795	CTG 105MM CHEM AGENT H M60	M1
C442	1315000284796	CTG 105MM CHEM AGENT H M60	M1
C442	1315000284829	CTG 105MM CHEM AGENT HD M60	M1
C442	1315000600884	CTG 105MM CHEM AGENT H M60	M1
C442	1315003226365	CTG 105MM CHEM AGENT HD M60	M1
C443	1315008924095	CTG 105MM HE M1 W/MTSQ FUZE	M1
C443	1315009261896	CTG 105MM HE M1 W/MTSQ FUZE	M1
C443	1315009269288	CTG 105MM HE M1 W/MTSQ FUZE	M1
C443	1315009269385	CTG 105MM HE M1 W/MTSQ FUZE	M1
C444	1315000284832	CTG 105MM HE M1 W/PD FUZE	M1
C444	1315000284841	CTG 105MM HE M1 W/PD FUZE	M1
C444	1315009264073	CTG 105MM HE M1 W/PD FUZE	M1
C444	1315009650548	CTG 105MM HE M1 W/PD FUZE	M1
C444	1315009650572	CTG 105MM HE M1 W/PD FUZE	M1
C444	1315009650776	CTG 105MM HE M1 W/PD FUZE	M1
C444	1315009650777	CTG 105MM HE M1 W/PD FUZE	M1
C445	1315000284782	CTG 105MM HE M1 W/O FUZE & SUPPL CHG	M1
C445	1315000284809	CTG 105MM HE M1 W/O FUZE	M1
C445	1315000284830	CTG 105MM HE M1 W/O FUZE	M1
C445	1315000284857	CTG 105MM HE M1 W/O FUZE	M1
C445	1315000284859	CTG 105MM HE M1 W/O FUZE	M1
C445	1315000284860	CTG 105MM HE M1 W/O FUZE	M1
C445	1315000284861	CTG 105MM HE M1 W/O FUZE	M1
C445	1315001457554	CTG 105MM HE M1 W/O FUZE	M1
C445	1315001466853	CTG 105MM HE M1 W/O FUZE	M1
C445	1315002158884	CTG 105MM HE M1 W/O FUZE	M1
C445	1315002158884	CTG 105MM HE M1 W/O FUZE	M1
C445	1315002158885	CTG 105MM HE M1 W/O FUZE	M1
C445	1315002158886	CTG 105MM HE M1 W/O FUZE	M1
C445	1315002314629	CTG 105MM HE M1 W/O FUZE	M1
C445	1315003226363	CTG 105MM HE M1 W/O FUZE	M1
C445	1315005298266	CTG 105MM HE M1 W/O FUZE	M1
C445	1315009264081	CTG 105MM HE M1 W/O FUZE	M1
C445	1315010127094	CTG 105MM HE M1 W/O FUZE	M1
C448	1315000284806	CTG 105MM HEP-T M327	M6
C448	1315000284808	CTG 105MM HEP-T M327	M6
C448	1315000284835	CTG 105MM HEP-T M327	M6
C448	1315001136218	CTG 105MM HEP-T M327	M6
C448	1315001860073	CTG 105MM HEP-T M327	M6
C448	1315001860076	CTG 105MM HEP-T M327	M6
C448	1315003442312	CTG 105MM HEP-T M327	M6
C449	1315001457547	CTG 105MM ILLUM M314A3	M1
C449	1315007825531	CTG 105MM ILLUM M314A3	M1
C449	1315009269298	CTG 105MM ILLUM M314A3	M1
C449	1315009269299	CTG 105MM ILLUM M314A3	M1
C449	1315013002748	CTG 105MM ILLUM M314A3	M1
C449	1315013712990	CTG 105MM ILLUM M314A3	M1

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C449	1315013712990	CTG 105MM ILLUM M314A3	M1
C450	1315000284827	CTG 105MM LEAFLET M84	M1
C450	1315003050862	CTG 105MM LEAFLET M84	M1
C450	1315003241414	CTG 105MM LEAFLET M84	M1
C451	1315000284774	CTG 105MM SMK GRN M84	M1
C451	1315000284792	CTG 105MM SMK GRN M84	M1
C451	1315000284834	CTG 105MM SMK GRN M84	M1
C451	1315000284836	CTG 105MM SMK GRN M84B1 W/FUZE MTSQ M501A1	M1
C451	1315000284845	CTG 105MM SMK GRN M84	M1
C451	1315009264078	CTG 105MM SMK GRN M84	M1
C452	1315001436986	CTG 105MM SMK HC M84	M1
C452	1315001823156	CTG 105MM SMK HC M84A1	M1
C452	1315010310713	CTG 105MM SMK HC M84	M1
C453	1315000284828	CTG 105MM SMK RED M84	M1
C453	1315000284846	CTG 105MM SMK RED M84	M1
C453	1315000284847	CTG 105MM SMK RED M84B1 W/FUZE MTSQ M501A1	M1
C453	1315003050860	CTG 105MM SMK RED M84	M1
C453	1315009264079	CTG 105MM SMK RED M84	M1
C454	1315000284797	CTG 105MM SMK WP M60 W/PD FUZE	M1
C454	1315000284812	CTG 105MM SMK WP M60 W/PD FUZE	M1
C454	1315001135741	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
C454	1315001138149	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
C454	1315001437616	CTG 105MM SMK WP M60E1 W/PD FUZE	M1
C454	1315001457536	CTG 105MM SMK WP M60A1 W/PD FUZE	M1
C454	1315003011779	CTG 105MM SMK WP M60 W/PD FUZE	M1
C454	1315003160269	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
C454	1315004396121	CTG 105MM SMK WP M60E1 W/PD FUZE	M1
C454	1315004396122	CTG 105MM SMK WP M60E1 W/PD FUZE	M1
C454	1315004705368	CTG 105MM SMK WP M60A2 W/PD FUZE	M1
C454	1315008924895	CTG 105MM SMK WP M60 W/PD FUZE	M1
C455	1315000284773	CTG 105MM SMK YLW M84	M1
C455	1315000284793	CTG 105MM SMK YLW M84	M1
C455	1315000284848	CTG 105MM SMK YLW M84	M1
C455	1315003011782	CTG 105MM SMK YLW M84	M1
C455	1315009264077	CTG 105MM SMK YLW M84	M1
C456	1315000284775	CTG 105MM SMK VLT M84	M1
C456	1315003226364	CTG 105MM SMK VLT M84	M1
C456	1315009264061	CTG 105MM SMK VLT M84	M1
C456	1315009264062	CTG 105MM SMK VLT M84	M1
C457	1315003241413	CTG 105MM TP-T M67	M1
C457	1315003442311	CTG 105MM TP-T M67	M1
C462	1315004613323	CTG 105MM APERS M444	M1
C462	1315004613323	CTG 105MM APERS M444	M10
C462	1315007977199	CTG 105MM APERS M444	M1
C462	1315007977199	CTG 105MM APERS M444	M10
C462	1315007977199	CTG 105MM APERS M444	M5
C462	1315009650739	CTG 105MM APERS M444	M1



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C462	1315009650739	CTG 105MM APERS M444	M10
C462	1315009650739	CTG 105MM APERS M444	M5
C463	1315009264069	CTG 105MM HE RAP M548	Benite
C463	1315009264069	CTG 105MM HE RAP M548	M30A1
C464	1315009263968	CTG 105MM HE M323	M10
C468	1315001437128	CTG 105MM TACTICAL CS M629 W/FUZE M548 MTSQ	M1
C468	1315009269327	CTG 105MM TACTICAL CS M629 W/FUZE M548 MTSQ	M1
C473	1315011897764	CTG 105MM HE M760	M30
C477	1315001664440	CTG 105MM SMK WP M60A2 W/O FUZE	M1
C477	1315002286282	CTG 105MM SMK WP M60A2 W/O FUZE	M1
C477	1315002286283	CTG 105MM SMK WP M60A2 W/O FUZE	M1
C477	1315002286284	CTG 105MM SMK WP M60A2 W/O FUZE	M1
C479	1315012680384	CTG 105MM SMK HC M84A1	M1
C484	1315013791026	CTG 81MM IR ILLUM M816 W/FUZE MTSQ M772	M38/WC819
C484	1315013791026	CTG 81MM IR ILLUM M816 W/FUZE MTSQ M772	M9
C494	1315000017868	CTG 105MM APDS-T M728	Benite
C494	1315000017868	CTG 105MM APDS-T M728	M30
C494	1315003789842	CTG 105MM APDS-T M728	Benite
C494	1315003789842	CTG 105MM APDS-T M728	M30
C496	1315000284816	CTG 105MM HE M323	M10
C498	1315000284815	CTG 105MM HEP-T M326	M10
C498	1315000284820	CTG 105MM HEP-T M326	M10
C503	1315001593201	CTG 105MM TP-T M393A1	M1
C505	1315001137649	CTG 105MM APDS-T M392A2	Benite
C505	1315001137649	CTG 105MM APDS-T M392A2	M30
C505	1315004384650	CTG 105MM APDS-T M392A2	Benite
C505	1315004384650	CTG 105MM APDS-T M392A2	M30
C505	1315007528374	CTG 105MM APDS-T M392A2	Benite
C505	1315007528374	CTG 105MM APDS-T M392A2	M30
C505	1315010306837	CTG 105MM APDS-T M392A2	Benite
C505	1315010306837	CTG 105MM APDS-T M392A2	M30
C505	1315010307490	CTG 105MM APDS-T M392A2	Benite
C505	1315010307490	CTG 105MM APDS-T M392A2	M30
C506	1315010237902	CTG 105MM APDS-T M392/L36A1	Benite
C506	1315010237902	CTG 105MM APDS-T M392/L36A1	M30
C508	1315000580579	CTG 105MM HEAT-T M456A1	Benite
C508	1315000580579	CTG 105MM HEAT-T M456A1	M30
C508	1315009263989	CTG 105MM HEAT-T M456A1	Benite
C508	1315009263989	CTG 105MM HEAT-T M456A1	M30
C508	1315009263990	CTG 105MM HEAT-T M456A1	Benite
C508	1315009263990	CTG 105MM HEAT-T M456A1	M30
C508	1315010237122	CTG 105MM HEAT-T-MP M456A2	Benite
C508	1315010237122	CTG 105MM HEAT-T-MP M456A2	M30
C508	1315010945294	CTG 105MM HEAT-T M456A1	Benite
C508	1315010945294	CTG 105MM HEAT-T M456A1	M30
C508	1315012332003	CTG 105MM HEAT-T-MP M456A2	Benite
C508	1315012332003	CTG 105MM HEAT-T-MP M456A2	M30



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C510	1315009891167	CTG 105MM TP-T M467	M1
C511	1315009650713	CTG 105MM TP-T M490	Benite
C511	1315009650713	CTG 105MM TP-T M490	M30
C511	1315010900168	CTG 105MM TP-T M490	Benite
C511	1315010900168	CTG 105MM TP-T M490	M30
C511	1315011072513	CTG 105MM TP-T M490	Benite
C511	1315011072513	CTG 105MM TP-T M490	M30
C511	1315011149491	CTG 105MM TP-T M490	Benite
C511	1315011149491	CTG 105MM TP-T M490	M30
C511	1315011613683	CTG 105MM TP-T M490A1	Benite
C511	1315011613683	CTG 105MM TP-T M490A1	M14
C511	1315011629423	CTG 105MM TP-T M490A1	Benite
C511	1315011629423	CTG 105MM TP-T M490A1	M14
C511	1315013157922	CTG 105MM TP-T M490A1 (SWCC)	Benite
C511	1315013157922	CTG 105MM TP-T M490A1 (SWCC)	M14
C511	1315013648313	CTG 105MM TP-T M490A1	Benite
C511	1315013648313	CTG 105MM TP-T M490A1	M14
C512	1315001437183	CTG 105MM SMK WP-T M416	M1
C512	1315009014921	CTG 105MM SMK WP-T M416	M1
C513	1315001437121	CTG 105MM APERS-T M546	Benite
C513	1315001437121	CTG 105MM APERS-T M546	M30A1
C513	1315001437121	CTG 105MM APERS-T M546	M9
C513	1315001437768	CTG 105MM APERS-T M546E2	Benite
C513	1315001437768	CTG 105MM APERS-T M546E2	M30A1
C513	1315001437768	CTG 105MM APERS-T M546E2	M9
C513	1315009351977	CTG 105MM APERS-T M546	Benite
C513	1315009351977	CTG 105MM APERS-T M546	M30A1
C513	1315009351977	CTG 105MM APERS-T M546	M9
C513	1315009351980	CTG 105MM APERS-T M546	Benite
C513	1315009351980	CTG 105MM APERS-T M546	M30A1
C513	1315009351980	CTG 105MM APERS-T M546	M9
C513	1315009359178	CTG 105MM APERS-T M546	Benite
C513	1315009359178	CTG 105MM APERS-T M546	M30A1
C513	1315009359178	CTG 105MM APERS-T M546	M9
C518	1315007280704	CTG 105MM HEP-T M393A2	M1
C518	1315009356128	CTG 105MM HEP-T M393A2	M1
C518	1315010638832	CTG 105MM HEP-T M393A2	M1
C519	1315001436930	CTG 105MM APERS-T M494	M6
C519	1315001436930	CTG 105MM APERS-T M494	M9
C519	1315009356154	CTG 105MM APERS-T M494	M6
C519	1315009356154	CTG 105MM APERS-T M494	M9
C520	1315010326127	CTG 105MM TPDS-T M724A1	Benite
C520	1315010326127	CTG 105MM TPDS-T M724A1	M1
C521	1315010306838	CTG 105MM APFSDS-T M735	Benite
C521	1315010306838	CTG 105MM APFSDS-T M735	M30
C521	1315010306838	CTG 105MM APFSDS-T M735	M30
C523	1315010829856	CTG 105MM APFSDS-T M774	Benite

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C523	1315010829856	CTG 105MM APFSDS-T M774	M30
C523	1315012270008	CTG 105MM APFSDS-T M774	Benite
C523	1315012270008	CTG 105MM APFSDS-T M774	M30
C524	1315011369631	CTG 105MM APFSDS-T M833	Benite
C524	1315011369631	CTG 105MM APFSDS-T M833	M30
C524	1315012454019	CTG 105MM APFSDS-T M833	Benite
C524	1315012454019	CTG 105MM APFSDS-T M833	M30
C542	1315012995858	CTG 105MM ILLUM M314A3 W/O FUZE	M1
C542	1315013139759	CTG 105MM ILLUM M314A3 W/M14B1 CASE	M1
C544	1315013204190	CTG 105MM HERA M927	M1
C546	1315012502857	CTG 105MM HERA M913	M30
C601	1315009261928	CTG 90MM APERS M377	M6
C625	1315013431942	CTG 120MM ILLUM M930	M47
C650	1315000284790	CTG 106MM HEAT M344A1 W/FUZE M509A2	M26
C650	1315001410232	CTG 106MM HEAT M344A1	M26
C650	1315003433612	CTG 106MM HEAT M344A1 W/FUZE M509A2	M26
C650	1315009650564	CTG 106MM HEAT M344A1	M26
C651	1315003433613	CTG 106MM HEP-T M346A1	M26
C651	1315004705410	CTG 106MM HEP-T M346A1	M26
C651	1315009264019	CTG 106MM HEP-T M346A1	M26
C653	1315005853573	CTG 106MM HEAT M344A1 W/FUZE M509A2	M26
C660	1315009261892	CTG 106MM APERS-T M581 W/FUZE	M26
C660	1315009261892	CTG 106MM APERS-T M581 W/FUZE	M9
C660	1315009269275	CTG 106MM APERS-T M581 W/FUZE	M26
C660	1315009269275	CTG 106MM APERS-T M581 W/FUZE	M9
C660	1315009359179	CTG 106MM APERS-T M581 W/FUZE	M26
C660	1315009359179	CTG 106MM APERS-T M581 W/FUZE	M9
C697	1315012118411	CTG 4.2IN HE M329A2 W/O FUZE	M8
C697	1315012118411	CTG 4.2IN HE M329A2 W/O FUZE	M9
C698	1315000285024	CTG 4.2IN CHEM AGENT HT M2	M2
C698	1315000285025	CTG 4.2IN CHEM AGENT HT M2	M2
C699	1315000074882	CTG 4.2IN HE M329A2 W/O FUZE	M8
C699	1315000074882	CTG 4.2IN HE M329A2 W/O FUZE	M9
C703	1315000285018	CTG 4.2IN CHEM AGENT HD M2	M2
C703	1315000285027	CTG 4.2IN CHEM AGENT HD M2A1	M2
C704	1315004705415	CTG 4.2IN HE M329 W/ FUZE PD M557	M8
C704	1315004705415	CTG 4.2IN HE M329 W/ FUZE PD M557	M9
C704	1315008924864	CTG 4.2IN HE M329 W/ FUZE PD M557	M8
C704	1315008924864	CTG 4.2IN HE M329 W/ FUZE PD M557	M9
C704	1315009359128	CTG 4.2IN HE M329A1 W/FUZE PD M557	M8
C704	1315009359128	CTG 4.2IN HE M329A1 W/FUZE PD M557	M9
C705	1315000285017	CTG 4.2IN HE M329A1 W/O FUZE	M8
C705	1315000285017	CTG 4.2IN HE M329A1 W/O FUZE	M9
C705	1315007235724	CTG 4.2IN HE M329A1 W/O FUZE	M2
C705	1315007235724	CTG 4.2IN HE M329A1 W/O FUZE	M8
C705	1315009359140	CTG 4.2IN HE M329A1 W/O FUZE	M8
C705	1315009359140	CTG 4.2IN HE M329A1 W/O FUZE	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C706	1315000285015	CTG 4.2IN ILLUM M335 W/FUZE MTSQ M501A1	M8
C706	1315000285015	CTG 4.2IN ILLUM M335 W/FUZE MTSQ M501A1	M9
C706	1315004828452	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M562	M8
C706	1315004828452	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M562	M9
C706	1315007612073	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M8
C706	1315007612073	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M9
C706	1315009359212	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M8
C706	1315009359212	CTG 4.2IN ILLUM M335A2 W/FUZE MT M565	M9
C706	1315009650788	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M501	M8
C706	1315009650788	CTG 4.2IN ILLUM M335A1 W/FUZE MTSQ M501	M9
C706	1315011299337	CTG 4.2IN ILLUM M335A2 W/FUZE MTSQ M577	M8
C706	1315011299337	CTG 4.2IN ILLUM M335A2 W/FUZE MTSQ M577	M9
C707	1315000285028	CTG 4.2IN SMK FS M2A1	M2
C708	1315000087787	CTG 4.2IN SMK WP M328A1	M8
C708	1315000087787	CTG 4.2IN SMK WP M328A1	M9
C708	1315000285006	CTG 4.2IN SMK WP M2	M2
C708	1315000285011	CTG 4.2IN SMK WP M2	M2
C708	1315000285014	CTG 4.2IN SMK WP M2A1	M2
C708	1315000285020	CTG 4.2IN SMK WP M328	M8
C708	1315000285020	CTG 4.2IN SMK WP M328	M9
C708	1315004856032	CTG 4.2IN SMK WP M328A1	M8
C708	1315004856032	CTG 4.2IN SMK WP M328A1	M9
C708	1315009261935	CTG 4.2IN SMK WP M328A1	M8
C708	1315009261935	CTG 4.2IN SMK WP M328A1	M9
C708	1315009359131	CTG 4.2IN SMK WP M328A1	M8
C708	1315009359131	CTG 4.2IN SMK WP M328A1	M9
C708	1315009359214	CTG 4.2IN SMK WP M328A1	M8
C708	1315009359214	CTG 4.2IN SMK WP M328A1	M9
C708	1315009650846	CTG 4.2IN SMK WP M328A1	M8
C708	1315009650846	CTG 4.2IN SMK WP M328A1	M9
C710	1315000058008	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M8
C710	1315000058008	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M9
C710	1315004730962	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M8
C710	1315004730962	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M9
C710	1315009359286	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M8
C710	1315009359286	CTG 4.2IN TACTICAL CS M630 W/FUZE M548	M9
C713	1315003833923	CTG IGN M2	M2
C716	1315010558590	CHG PROP M36A2	M8
C716	1315010558590	CHG PROP M36A2	M9
C784	1315011656487	CTG 120MM TP-T M831	DIGL-RP
C784	1315012508636	CTG 120MM TP-T M831	DIGL-RP
C784	1315012927754	CTG 120MM TP-T M831	DIGL-RP
C784	1315013691901	CTG 120MM TP-T M831E2	Benite
C784	1315013691901	CTG 120MM TP-T M831E2	M14
C784	1315013696612	CTG 120MM TP-T M831A1	Benite
C784	1315013696612	CTG 120MM TP-T M831A1	M14
C785	1315011656488	CTG 120MM TPCSDS-T M865	LKL

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C785	1315012424796	CTG 120MM TPCSDS-T M865	LKL
C785	1315012885545	CTG 120MM TPCSDS-T M865	LKL
C785	1315013059252	CTG 120MM TPCSDS-T M865	LKL
C785	1315013292775	CTG 120MM TPCSDS-T M865	LKL
C786	1315011686108	CTG 120MM APFSDS-T M829	Benite
C786	1315011686108	CTG 120MM APFSDS-T M829	JA2
C786	1315012267418	CTG 120MM APFSDS-T M829	Benite
C786	1315012267418	CTG 120MM APFSDS-T M829	JA2
C786	1315012927753	CTG 120MM APFSDS-T M829	Benite
C786	1315012927753	CTG 120MM APFSDS-T M829	JA2
C787	1315011903371	CTG 120MM HEAT-MP-T M830	DIGL-RP
C787	1315012324638	CTG 120MM HEAT-MP-T M830	DIGL-RP
C787	1315012929868	CTG 120MM HEAT-MP-T M830	DIGL-RP
C800	1315003442313	PROJ & PROP CHG 120MM HE-T M356	M31
C802	1315003226371	PROJ & PROP CHG 120MM AP-T T116E6	M17
C802	1315005420418	PROJ & PROP CHG 120MM AP-T T116E5	M17
C802	1315005546747	PROJ & PROP CHG 120MM	M17
C802	1315006839444	PROJ & PROP CHG 120MM AP-T T116E6	M17
C806	1315003442314	PROJ & PROP CHG 120MM SMK WP-T M357 (T16E4)	M31
C850	1315000751141	CTG 81MM WINDOW EX MK133 MOD0	M8
C850	1315000751141	CTG 81MM WINDOW EX MK133 MOD0	M9
C851	1315000751143	CTG 81MM WINDOW EX MK134 MOD0	M8
C851	1315000751143	CTG 81MM WINDOW EX MK134 MOD0	M9
C852	1315000751144	CTG 81MM WINDOW EX MK135 MOD0	M8
C852	1315000751144	CTG 81MM WINDOW EX MK135 MOD0	M9
C855	1315001276605	CTG 81MM APERS MK120 MOD0	M8
C855	1315001276605	CTG 81MM APERS MK120 MOD0	M9
C863	1315001470062	CTG 81MM ILLUM M301A2 W/FUZE TIME M84	M8
C863	1315001470062	CTG 81MM ILLUM M301A2 W/FUZE TIME M84	M9
C868	1315013537618	CTG 81MM HE M821A1 W/FUZE M734	M38/WC819
C868	1315013537618	CTG 81MM HE M821A1 W/FUZE M734	M9
C869	1315012861385	CTG 81MM HE M889A1 W/FUZE M935	M38/WC819
C869	1315012861385	CTG 81MM HE M889A1 W/FUZE M935	M9
C869	1315013537619	CTG 81MM HE M889A1 W/FUZE M935	M38/WC819
C869	1315013537619	CTG 81MM HE M889A1 W/FUZE M935	M9
C870	1315011998688	CTG 81MM SMK RP M819	M38/WC819
C870	1315011998688	CTG 81MM SMK RP M819	M9
C870	1315013537620	CTG 81MM SMK RP M819	M38/WC819
C870	1315013537620	CTG 81MM SMK RP M819	M9
C871	1315011998689	CTG 81MM ILLUM M853 W/FUZE TIME M768	M38/WC819
C871	1315011998689	CTG 81MM ILLUM M853 W/FUZE TIME M768	M9
C871	1315012899789	CTG 81MM ILLUM M853A1	M38/WC819
C871	1315012899789	CTG 81MM ILLUM M853A1	M9
C871	1315013537617	CTG 81MM ILLUM M853A1	M38/WC819
C871	1315013537617	CTG 81MM ILLUM M853A1	M9
C872	1315004313444	CHG PROP M82	M5
C873	1315004256040	CHG PROP M36A1	M8

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
C873	1315004256040	CHG PROP M36A1	M9
C873	1315008287444	CHG PROP M36A1 ASSY	M9
C875	1315012004223	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M38/WC819
C875	1315012004223	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M9
C875	1315013520392	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M38/WC819
C875	1315013520392	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M9
C875	1315013544916	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M38/WC819
C875	1315013544916	CTG 81MM PRAC M879 W/PD FUZE PRAC M751	M9
C990	1315010508883	CTG IGN M299	M9
CA07	1315014462904	CTG 120MM IR ILLUM M983	M47
CA11	1315014517536	CTG 105MM M915 ASSY	M10
CA11	1315014517536	CTG 105MM M915 ASSY	M30
CA12	1315014532693	CTG 105MM M915 ASSY	M10
CA12	1315014532693	CTG 105MM M915 ASSY	M30
CA17	1315014629367	CTG 105MM HE M1 (MOD)	M1
CX30	1315003517914	CHG PROP BAG LOADING	M9
CX30	1315008216685	CHG PROP BAG LOADING	M9
CX46	1315008831472	CHG A PROP INCR M90 MORTAR CTG 81MM	M9
CX47	1315008546646	CHG B PROP INCREM M90	M9
CX52	1376008546710	PROP PWDR M26 (T28)	M26
D017	1320007837980	BAG CHG	M10
D018	1320000095316	BAG CHG	M10
D032	1320011121624	CHG & SLEEVE ASSY	M10
D204	1320000391868	CTG 5IN/25 CAL HC MK36	SPD
D204	1320000391868	CTG 5IN/25 CAL HC MK36	SPDN
D227	1320000391949	CHG CLEARING 5IN/38 CAL FL	SPDF
D227	1320000391961	CHG CLEARING 5IN/38 CAL FL	SPDF
D246	1320000392130	PROJ 5IN/38 CAL SMK WP MK30/44/50	M9
D247	1320000392113	PROJ 5IN/38 CAL SMK WP MK30/44/50	M9
D264	1320008713723	CHG PROP 5IN/38 CAL FULL FL MK63 MOD0	SPCF/NACO/BS-NACO
D272	1320000391971	CHG PROP 5IN/38 CAL FULL W/CASE MK5/8/10	SPD
D272	1320000391971	CHG PROP 5IN/38 CAL FULL W/CASE MK5/8/10	SPDN
D272	1320004572577	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPD
D272	1320004572577	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPDN
D272	1320005570931	CHG PROP 5IN/38 CAL FULL NFL MK63 MOD2	SPD
D272	1320005570931	CHG PROP 5IN/38 CAL FULL NFL MK63 MOD2	SPDN
D274	1320000090351	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPDF
D274	1320000090351	CHG PROP 5IN/38 CAL FULL W/CASE MK10 MOD0/1	SPDN
D274	1320000392037	CHG PROP 5IN/38 CAL FULL FL W/CASE MK5/8/10	SPDF
D274	1320000392037	CHG PROP 5IN/38 CAL FULL FL W/CASE MK5/8/10	SPDN
D274	1320001034930	CHG PROP 5IN/38 CAL FULL FL MK63 MOD1	SPDF
D274	1320001034930	CHG PROP 5IN/38 CAL FULL FL MK63 MOD1	SPDN
D274	1320001748174	CHG PROP 5IN/38 CAL FULL FL W/CASE MK10	SPCF/NACO/BS-NACO
D274	1320001748174	CHG PROP 5IN/38 CAL FULL FL W/CASE MK10	SPDN
D282	1320000392058	CHG PROP 5IN/38 CAL REDUCED NFL	SPDN
D282	1320011572494	CHG PROP 5IN/38 CAL REDUCED NFL MK10 MODS	SPDN
D296	1320003132461	CHG CLEARING 5IN/38/54 MK65 MOD0	SPCF/NACO/BS-NACO

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
D296	1320010562826	CHG CLEARING 5IN/38/54 MK65 MOD1	SPCF/NACO/BS-NACO
D297	1320007665824	CHG PROP 5IN/54 CAL REDUCED	SPDF
D298	1320011227621	PROJ 5IN/38 SMK WP MK30/44/50 MT/PD MK403-0	M9
D300	1320010284944	CHG PROP 5IN/54 CAL FULL MK73 MOD0	M26
D300	1320011701429	CHG PROP 5IN/54 CAL FULL MK73 MOD1	M30A1
D300	1320011701429	CHG PROP 5IN/54 CAL FULL MK73 MOD1	M30A2
D304	1320000393352	CHG PROP 5IN/54 CAL FULL NFL	SPD
D305	1320000393353	CHG PROP 5IN/54 CAL FULL FL	SPDF
D306	1320000393350	CHG CLEARING 5IN/38 CAL FL	SPDF
D324	1320008793925	CHG PROP 5IN/54 CAL FULL FL	SPCF/NACO/BS-NACO
D326	1320004118607	CHG PROP 5IN/54 CAL FULL FL MK67 MOD1	SPCF/NACO/BS-NACO
D326	1320010041082	CHG PROP 5IN/54 CAL FULL FL MK67 MOD3	SPCF/NACO/BS-NACO
D326	1320010642746	CHG PROP 5IN/54 CAL FULL FL EX67 MOD4	SPCF/NACO/BS-NACO
D361	1320001823030	CHG PROP 175MM M86A2	M6
D361	1320008924201	CHG PROP 175MM M86A2B1	M6
D361	1320009263986	CHG PROP 175MM M86A2	M6
D368	1320000393521	CHG CLEARING 6IN/47 CAL W/CASE MK4/6/7	SPDF
D368	1320004055135	CHG CLEARING 6IN/47 CAL W/CASE MK4/6/7	SPDF
D369	1320000393543	CHG PROP 6IN/47 CAL FULL NFL MK6	SPD
D369	1320001737356	CHG PROP 6IN/47 CAL FULL NFL MK7	SPD
D370	1320000090352	CHG PROP 6IN/47 CAL FULL FL MK6	SPDF
D370	1320000090352	CHG PROP 6IN/47 CAL FULL FL MK6	SPDN
D370	1320000393544	CHG PROP 6IN/47 CAL FULL FL MK6	SPDF
D370	1320000393544	CHG PROP 6IN/47 CAL FULL FL MK6	SPDN
D370	1320001737357	CHG PROP 6IN/47 CAL FULL FL MK7	SPDF
D370	1320001737357	CHG PROP 6IN/47 CAL FULL FL MK7	SPDN
D371	1320000393532	CHG PROP 6IN/47 CAL REDUCED NFL MK6	SPDN
D372	1320000393533	CHG PROP 6IN/47 CAL REDUCED FL MK6	SPDF
D375	1320000393538	CHG PROP 6IN/47 CAL FULL NFL MK4/6	SPD
D376	1320000393539	CHG PROP 6IN/47 CAL FULL FL MK4/6	SPDF
D377	1320000393530	CHG PROP 6IN/47 CAL REDUCED NFL MK6	SPDN
D378	1320000393528	CHG PROP 6IN/47 CAL REDUCED FL MK6	SPDF
D380	1320004910419	CTG 152MM TP-T M411	BALL
D380	1320004910419	CTG 152MM TP-T M411	M26A1/M26E1
D380	1320004910419	CTG 152MM TP-T M411	WC844
D380	1320009352018	CTG 152MM TP-T M411	BALL
D380	1320009352018	CTG 152MM TP-T M411	M26A1/M26E1
D380	1320009352018	CTG 152MM TP-T M411	WC844
D381	1320001137017	CTG 152MM HEAT-T-MP M409A1	BALL
D381	1320001137017	CTG 152MM HEAT-T-MP M409A1	M26A1/M26E1
D381	1320001137017	CTG 152MM HEAT-T-MP M409A1	WC844
D381	1320001436832	CTG 152MM HEAT-T-MP M409	BALL
D381	1320001436832	CTG 152MM HEAT-T-MP M409	M26A1/M26E1
D381	1320001436832	CTG 152MM HEAT-T-MP M409	WC844
D381	1320001823432	CTG 152MM HEAT-T-MP M409A1	BALL
D381	1320001823432	CTG 152MM HEAT-T-MP M409A1	M26A1/M26E1
D381	1320001823432	CTG 152MM HEAT-T-MP M409A1	WC844

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
D381	1320004910420	CTG 152MM HEAT-T-MP M409	BALL
D381	1320004910420	CTG 152MM HEAT-T-MP M409	M26A1/M26E1
D381	1320004910420	CTG 152MM HEAT-T-MP M409	WC844
D381	1320005826169	CTG 152MM HEAT-T-MP M409	BALL
D381	1320005826169	CTG 152MM HEAT-T-MP M409	M26A1/M26E1
D381	1320005826169	CTG 152MM HEAT-T-MP M409	WC844
D381	1320006101323	CTG 152MM HEAT-T-MP M409A2	BALL
D381	1320006101323	CTG 152MM HEAT-T-MP M409A2	M26A1/M26E1
D381	1320006101323	CTG 152MM HEAT-T-MP M409A2	WC844
D381	1320010298054	CTG 152MM HEAT-T-MP M409A2	BALL
D381	1320010298054	CTG 152MM HEAT-T-MP M409A2	M26A1/M26E1
D381	1320010298054	CTG 152MM HEAT-T-MP M409A2	WC844
D383	1320001137019	CTG 152MM TP-T M411A3	BALL
D383	1320001137019	CTG 152MM TP-T M411A3	M26A1/M26E1
D383	1320001137019	CTG 152MM TP-T M411A3	WC844
D383	1320001809784	CTG 152MM TP-T M411A1 (SEE RMKS)	BALL
D383	1320001809784	CTG 152MM TP-T M411A1 (SEE RMKS)	M26A1/M26E1
D383	1320001809784	CTG 152MM TP-T M411A1 (SEE RMKS)	WC844
D383	1320003517905	CTG 152MM TP-T M411A3	BALL
D383	1320003517905	CTG 152MM TP-T M411A3	M26A1/M26E1
D383	1320003517905	CTG 152MM TP-T M411A3	WC844
D383	1320004928197	CTG 152MM TP-T M411A2	BALL
D383	1320004928197	CTG 152MM TP-T M411A2	M26A1/M26E1
D383	1320004928197	CTG 152MM TP-T M411A2	WC844
D383	1320009356185	CTG 152MM TP-T M411A1 (SEE RMKS)	BALL
D383	1320009356185	CTG 152MM TP-T M411A1	M26A1/M26E1
D383	1320009356185	CTG 152MM TP-T M411A1 (SEE RMKS)	WC844
D383	1320010271147	CTG 152MM TP-T M411A3	BALL
D383	1320010271147	CTG 152MM TP-T M411A3	M26A1/M26E1
D383	1320010271147	CTG 152MM TP-T M411A3	WC844
D390	1320001593191	CTG 152MM CSTR M625A1	BALL
D390	1320001593191	CTG 152MM CSTR M625A1	M26A1/M26E1
D390	1320001593191	CTG 152MM CSTR M625A1	WC844
D390	1320004969733	CTG 152MM CSTR AP M625A1	BALL
D390	1320004969733	CTG 152MM CSTR AP M625A1	M26A1/M26E1
D390	1320004969733	CTG 152MM CSTR AP M625A1	WC844
D390	1320009264103	CTG 152MM CSTR AP M625A1	BALL
D390	1320009264103	CTG 152MM CSTR AP M625A1	M26A1/M26E1
D390	1320009264103	CTG 152MM CSTR AP M625A1	WC844
D479	1320000069654	CHG PROP 152MM M189	M26A1/M26E1
D480	1320000284369	CHG PROP 155MM M19	M6
D480	1320000284371	CHG PROP 155MM M19	M6
D501	1320004348856	PROJ 155MM ADAM M692E1	M10
D501	1320012616043	PROJ 155MM ADAM M692E1	M10
D502	1320004348861	PROJ 155MM HE ADAM M731	M10
D502	1320012608719	PROJ 155MM HE ADAM M731	M10
D502	1320013652427	PROJ 155MM HE ADAM M731	M10



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
D503	1320010506059	PROJ 155MM HE RAAM-L M718	M10
D503	1320010506059	PROJ 155MM HE RAAM-L M718	M5
D503	1320012680387	PROJ 155MM HE RAAM-L M718	M10
D503	1320012680387	PROJ 155MM HE RAAM-L M718	M5
D503	1320013629847	PROJ 155MM HE RAAM-L M718	M10
D503	1320013629847	PROJ 155MM HE RAAM-L M718	M5
D509	1320010507966	PROJ 155MM RAAM-S M741	M10
D509	1320010507966	PROJ 155MM RAAM-S M741	M5
D509	1320012680386	PROJ 155MM RAAM-S M741	M10
D509	1320012680386	PROJ 155MM RAAM-S M741	M5
D509	1320013636469	PROJ 155MM RAAM-S M741	M10
D509	1320013636469	PROJ 155MM RAAM-S M741	M5
D510	1320010774279	PROJ 155MM HEAT M712	IMR-4064
D514	1320011507857	PROJ 155MM RAAM-S M741A1	M10
D514	1320011507857	PROJ 155MM RAAM-S M741A1	M5
D514	1320012680385	PROJ 155MM RAAM-S M741A1	M10
D514	1320012680385	PROJ 155MM RAAM-S M741A1	M5
D514	1320013631272	PROJ 155MM RAAM-S M741A1	M10
D514	1320013631272	PROJ 155MM RAAM-S M741A1	M5
D515	1320012692257	PROJ 155MM AT RAAM M718A1	M10
D515	1320012692257	PROJ 155MM AT RAAM M718A1	M5
D515	1320013629845	PROJ 155MM AT RAAM M718A1	M10
D515	1320013629845	PROJ 155MM AT RAAM M718A1	M5
D528	1320011402611	PROJ 155MM SMK WP M825	M10
D528	1320012805320	PROJ 155MM SMK WP M825A1	M10
D528	1320013644515	PROJ 155MM SMK WP M825	M10
D531	1320010419890	CHG PROP 155MM M201E5	CBI
D531	1320010419890	CHG PROP 155MM M201E5	M30A1
D532	1320010339394	CHG PROP 155MM M203	M30A1
D532	1320012028938	CHG PROP 155MM M203A1	CBI
D532	1320012028938	CHG PROP 155MM M203A1	M31A1E1
D533	1320001436847	CHG PROP 155MM M119	Benite
D533	1320001436847	CHG PROP 155MM M119	CBI
D533	1320001436847	CHG PROP 155MM M119	M6
D533	1320010514132	CHG PROP 155MM M119A1	Benite
D533	1320010514132	CHG PROP 155MM M119A1	CBI
D533	1320010514132	CHG PROP 155MM M119A1	M6
D533	1320010936856	CHG PROP 155MM M119A2	CBI
D533	1320010936856	CHG PROP 155MM M119A2	M6
D533	1320013104857	CHG PROP 155MM M119A2	CBI
D533	1320013104857	CHG PROP 155MM M119A2	M6
D533	1320013129058	CHG PROP 155MM M119A2	CBI
D533	1320013129058	CHG PROP 155MM M119A2	M6
D534	1320007679441	CHG PROP 155MM M119E4	Benite
D534	1320007679441	CHG PROP 155MM M119E4	CBI
D534	1320007679441	CHG PROP 155MM M119E4	M30A1
D534	1320009650554	CHG PROP 155MM M119E4	Benite



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
D534	1320009650554	CHG PROP 155MM M119E4	CBI
D534	1320009650554	CHG PROP 155MM M119E4	M30A1
D536	1320004514907	CHG PROP 175MM	M6
D536	1320007751533	CHG PROP 175MM GB M124 W/PRIMER	M6
D540	1320000087790	CHG PROP 155MM GB M3A1	CBI
D540	1320000087790	CHG PROP 155MM GB M3A1	M1
D540	1320000284873	CHG PROP 155MM GB M3	M1
D540	1320000284874	CHG PROP 155MM GB M3	M1
D540	1320000284875	CHG PROP 155MM GB M3	M1
D540	1320000284876	CHG PROP 155MM GB M3	M1
D540	1320009351922	CHG PROP 155MM GB M3A1	CBI
D540	1320009351922	CHG PROP 155MM GB M3A1	M1
D540	1320009650556	CHG PROP 155MM GB M3A1	CBI
D540	1320009650556	CHG PROP 155MM GB M3A1	M1
D540	1320013073952	CHG PROP 155MM GB M3A1	CBI
D540	1320013073952	CHG PROP 155MM GB M3A1	M1
D540	1320013129059	CHG PROP 155MM GB M3A1	CBI
D540	1320013129059	CHG PROP 155MM GB M3A1	M1
D541	1320009351923	CHG PROP 155MM WB M4	CBI
D561	1320002266147	PROJ 155MM HE APERS M449A1	M10
D561	1320002266147	PROJ 155MM HE APERS M449A1	M5
D561	1320006899325	PROJ 155MM HE APERS M449A1	M10
D561	1320006899325	PROJ 155MM HE APERS M449A1	M5
D561	1320008411057	PROJ 155MM HE APERS M449A1	M10
D561	1320008411057	PROJ 155MM HE APERS M449A1	M5
D562	1320000738847	PROJ 155MM HE APERS M449A1	M10
D562	1320000738847	PROJ 155MM HE APERS M449A1	M5
D562	1320006899365	PROJ 155MM HE APERS M449A1	M10
D562	1320006899365	PROJ 155MM HE APERS M449A1	M5
D562	1320013671264	PROJ 155MM HE APERS M449A1	M10
D562	1320013671264	PROJ 155MM HE APERS M449A1	M5
D563	1320001267339	PROJ 155MM HE APERS M483A1	M10
D563	1320008723164	PROJ 155MM HE APERS M483A1	M10
D563	1320012608720	PROJ 155MM HE APERS M483A1	M10
D563	1320013631273	PROJ 155MM HE APERS M483A1	M10
D570	1320005555126	CTG 165MM HEP M123A1 (COMP A3)	M2
D579	1320009368278	PROJ 155MM HE RAP M549	AHH
D579	1320010476009	PROJ 155MM HE RAP M549A1	AHH
D579	1320014116099	PROJ 155MM HE RAP M549A1	AHH
D579	1320014118115	PROJ 155MM HE RAP M549	AHH
D590	1320009264072	CTG 165MM TP M623	M2
D592	1320001809053	CTG 152MM HE-T M657E2	BALL
D592	1320001809053	CTG 152MM HE-T M657E2	M26E1
D592	1320001809053	CTG 152MM HE-T M657E2	WC844
D600	1320001030836	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
D601	1320000393790	CHG PROP 8IN/55 CAL FULL NFL	SPD
D601	1320000393790	CHG PROP 8IN/55 CAL FULL NFL	SPDN

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
D601	1320008299766	CHG PROP 8IN/55 CAL FULL NFL	SPD
D601	1320008299766	CHG PROP 8IN/55 CAL FULL NFL	SPDN
D602	1320000393801	CHG PROP 8IN/55 CAL FULL FL	SPCG/Cordite N
D602	1320000393801	CHG PROP 8IN/55 CAL FULL FL	SPDF
D603	1320000393789	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
D603	1320008165517	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
D605	1320000894275	CHG PROP 8IN/55 CAL FULL NFL	SPD
D605	1320000894275	CHG PROP 8IN/55 CAL FULL NFL	SPDN
D606	1320000393811	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
D606	1320008165516	CHG PROP 8IN/55 CAL REDUCED FL	SPDF
D607	1320000393814	CHG PROP 8IN/55 CAL FULL NFL	SPD
D607	1320000393814	CHG PROP 8IN/55 CAL FULL NFL	SPDN
D608	1320000393808	CHG PROP 8IN/55 CAL FULL FL	SPCG/Cordite N
D608	1320000393808	CHG PROP 8IN/55 CAL FULL FL	SPDF
D609	1320000894276	CHG PROP 8IN/55 CAL FULL FL	SPCG/Cordite N
D609	1320000894276	CHG PROP 8IN/55 CAL FULL FL	SPDF
D611	1320008713725	CHG PROP 8IN/55 CAL FULL UNIVERSAL	SPCG/Cordite N
D611	1320008713725	CHG PROP 8IN/55 CAL FULL UNIVERSAL	SPDF
D611	1320008907916	CHG PROP 8IN/55 CAL FULL UNIVERSAL	SPCF/NACO/BS-NACO
D615	1320001316761	CHG PROP 8IN/55 CAL REDUCED NFL	SPDN
D616	1320000393809	CHG PROP 8IN/55 CAL REDUCED FL	SPDF
D617	1320000393810	CHG PROP 8IN/55 CAL REDUCED FL	SPDF
D624	1320010556119	PROJ 8IN HE RAP M650	AHH
D651	1320010736010	PROJ 8IN HE M509A1	M10
D661	1320010142451	CHG PROP 8IN WB M188 W/O PRIMER	M30A2
D662	1320010704485	CHG PROP 8IN WB M188A1	M30A2
D662	1320010704485	CHG PROP 8IN WB M188A1	M31A1
D662	1320010704486	CHG PROP 8IN WB M188A1	M31A1
D662	1320012317231	CHG PROP 8IN WB M188A1	M31A1
D674	1320006287741	CHG PROP 8IN M80	M6
D675	1320000284374	CHG PROP 8IN WB M1	M1
D675	1320003085523	CHG PROP 8IN WB M1	M1
D675	1320005420132	CHG PROP 8IN WB M1	M1
D676	1320000284375	CHG PROP 8IN WB M2	M1
D676	1320000284378	CHG PROP 8IN WB M2	M1
D676	1320001138006	CHG PROP 8IN WB M2	M1
D676	1320003085555	CHG PROP 8IN WB M2	M1
D684	1320007690275	PROJ 8IN HE M404 W/O FUZE	M10
D684	1320007690275	PROJ 8IN HE M404 W/O FUZE	M5
D684	1320009869731	PROJ 8IN HE M404 W/O FUZE	M10
D684	1320009869731	PROJ 8IN HE M404 W/O FUZE	M5
D839	1320000394076	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
D839	1320011252562	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
D839	1320011391758	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
D840	1320000899785	CHG PROP 16IN/50 CAL REDUCED NFL (6 SECTIONS)	SPDN
D840	1320012638050	CHG PROP 16IN/50 CAL REDUCED NFL (6 SECTIONS)	SPDN
D845	1320000899784	CHG PROP 16IN/50 CAL REDUCED FL (6 SECTIONS)	SPCG/Cordite N

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
D846	1320011693121	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
D846	1320012304001	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
D846	1320013233623	CHG PROP 16IN/50 CAL FULL NFL (6 SECTIONS)	SPD
D864	1320012311697	PROJ 155MM ER DP M864	M10
D864	1320013674581	PROJ 155MM ER DP M864	M10
D875	1320001066138	PROJ 16IN/50 CAL HE MK19 MOD0	M5
D875	1320001066138	PROJ 16IN/50 CAL HE MK19 MOD0	M9
D875	1320011687375	PROJ 16IN/50 CAL HC/HE MK144 MOD0	M5
D875	1320011687375	PROJ 16IN/50 CAL HC/HE MK144 MOD0	M9
DA12	1320014544603	CHG PROP 155MM MACS M231	WC864
DX23	1145001038071	CHG PROP M197	M1
DX28	1145001406685	CHG PROP M206	M1
DX28	1145001406685	CHG PROP M206	M30
E179	1325008793993	DISP & BOMB ACFT CBU-30/A	M5
E187	1325001823108	DISP & BOMB ACFT CBU 25B/A	M5
E187	1325008953874	DISP & BOMB ACFT CBU 25A/A	M5
E187	1325009334954	DISP & BOMB ACFT CBU 25A/A	M5
E189	1325009124052	DISP & BOMB ACFT CBU 22/A	M5
E189	1325009495421	DISP & BOMB ACFT CBU 22A/A	M5
E190	1325001823109	DISP & BOMB ACFT CBU 7A/A	M5
E196	1325009254444	DISP & BOMB ACFT CBU 14A/A	M5
E793	1325001690472	DISP & BOMB ACFT CBU 7A(T-1)/A	M5
E805	1325004788965	DISP & BOMB ACFT CBU 14(T-2)/A	M5
E858	1325004788966	DISP & BOMB ACFT CBU 14(T-1)/A	M5
F370	1325003862434	ADAPTER KIT ADU-449/B	M5
F504	1325008792645	BOOSTER & HOLDER FUZE FZU-1/B	M5
F744	1325003862432	FUZE PROX FMU-56D/B	M5
G838	1330000285869	CTG CAL .30 GREN RIFLE M3	IMR-4895
G838	1330000285870	CTG CAL .30 GREN RIFLE M3	IMR-4895
G838	1330000285873	CTG CAL .30 GREN RIFLE M3	IMR-4895
G838	1330000285875	CTG CAL .30 GREN RIFLE M3	IMR-4895
G838	1330003011988	CTG CAL .30 GREN RIFLE M3	IMR-4895
G841	1330001523709	CTG 5.56MM GREN RIFLE M195	IMR-4475
G841	1330007648435	CTG 5.56MM GREN RIFLE M195	IMR-4475
G841	1330009264011	CTG 5.56MM GREN RIFLE M195	IMR-4475
G841	1330009352030	CTG 5.56MM GREN RIFLE M195	IMR-4475
H104	1340011223506	RCKT POD 298MM TACTICAL M26 (MLRS)	WC818
H108	1340011490918	RCKT POD 298MM PRAC M28 (MLRS)	WC818
H110	1340001320482	RCKT INCND 66MM TPA 4-RD M74	M7 Type I
H110	1340001695413	RCKT INCND 66MM TPA 4-RD M74	M7 Type I
H110	1340003973072	RCKT INCND 66MM TPA 4-RD M74	M7 Type I
H154	1340013718611	RCKT FLARE 2.75IN W/WHD M278 & FUZE M442	M9
H165	1340012691447	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H165	1340013797814	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H166	1340013204321	RCKT FLECHETTE 2.75IN W/WHD M255A1 & FUZE M439	M10
H181	1340012497721	RCKT ILLUM 2.75IN W/WHD M257 & FUZE M442	M9
H182	1340012497720	RCKT FLARE 2.75IN W/WHD M257 & FUZE M442	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
H183	1340012687175	RCKT ILLUM 2.75IN W/WHD M257 & FUZE M442	M9
H436	1340000385277	PROP GRAIN M7	M7 Type II
H459	1340002237224	RCKT APERS 2.75IN W/WHD WDU 4A/A	M9
H459	1340004014460	RCKT APERS 2.75IN W/WHD WDU 4A/A	M9
H462	1340013095799	RCKT FLECHETTE 2.75IN W/WHD M255A1	M10
H463	1340011088848	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
H463	1340011088849	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
H463	1340013796347	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
H463	1340013797780	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
H464	1340011088850	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H464	1340011263942	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H464	1340012239187	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H464	1340013796350	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H464	1340013797797	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
H520	1340007161450	RCKT 115MM CHEM AGENT GB M55	M28
H521	1340007243567	RCKT 115MM CHEM AGENT VX M55	M28
H555	1340001437032	RCKT HE 66MM AT M72A1	M7 Type I
H555	1340008921561	RCKT HE 66MM AT M72	M7 Type I
H555	1340009264086	RCKT HE 66MM AT M72	M7 Type I
H557	1340000074889	RCKT HE 66MM AT M72A2	M7 Type I
H557	1340000214478	RCKT HE 66MM AT M72A1	M7 Type I
H557	1340000214480	RCKT HE 66MM AT M72/M72A1	M7 Type I
H557	1340000214491	RCKT HE 66MM AT M72A2	M7 Type I
H557	1340009359285	RCKT HE 66MM AT M72A2	M7 Type I
H557	1340010298012	RCKT HE 66MM AT M72A2	M7 Type I
H557	1340251162520	RCKT HE 66MM AT M72A2	M7 Type I
H600	1340000286090	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
H600	1340001369337	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
H600	1340001437117	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
H600	1340004913758	RCKT HE 3.5IN M28A2 HEAT	M7 Type II
H601	1340000286092	RCKT 3.5IN PRAC M29A2	M7 Type II
H706	1340008585780	RCKT PRAC 115MM SIMULANT EG M61	M28
H708	1340001436911	RCKT PRAC 35MM SUBCAL M73	M7 Type II
H708	1340003605050	RCKT PRAC 35MM SUBCAL M73	M7 Type II
H812	1340013386482	WHD FLARE 2.75IN RCKT M257	M9
H812	1340014560978	WHD FLARE 2.75IN RCKT M257	M9
H813	1340013306687	WHD FLARE 2.75IN RCKT M257 6 PIN	M9
H813	1340013340684	WHD FLARE 2.75IN RCKT M257 6 PIN	M9
H823	1340013135515	WHD HE M261 F/2.75IN RCKT	M10
H974	1340012687174	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
H974	1340013797889	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
HA02	1340008793968	WHD 2.75IN RCKT FLECHETTE WDU 4A/A	M9
HA06	1340014129346	WHD FLARE 2.75IN RCKT M278	M9
HA06	1340014433583	WHD FLARE 2.75IN RCKT M278	M9
HA10	1340014462905	RCKT FLARE 2.75IN W/WHD M278 & FUZE M442	M9
HA11	1340014462901	RCKT FLECHETTE 2.75IN W/WHD M255A1 & FUZE M439	M10
HA14	1340014464095	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
HA14	1340014488891	RCKT HE 2.75IN W/WHD M261 & FUZE M439	M10
HA17	1340014487506	RCKT PRAC SMK 2.75IN W/WHD M267	M10
HA17	1340014487507	RCKT PRAC SMK 2.75IN W/WHD M267 & FUZE M439	M10
HA18	1340014488890	RCKT FLARE 2.75IN W/WHD M257 & FUZE M442	M9
HY71	1340001244193	WHD 2.75IN RCKT FLECHETTE WDU 4A/A	M9
JX12	1340001226551	RCKT MTR 3.5IN	M7 Type II
K015	1345001275515	MINE DISP SUBSYSTEM ACFT PRAC M132	M5
K020	1345003131398	MINE DISP SUBSYSTEM ACFT M56	M5
K022	1345011608909	DISP & MINE GRND M131	M5
K022	1345011608909	DISP & MINE GRND M131	M5
K027	1345001437613	CHG MINE EJECTION M198	M5
K045	1345012332029	CSTR MINE HE M87 VOLCANO	M5
K146	1345006789822	MINE APERS M26 BOUNDING	M9
K182	1345007825513	MINE AT LIGHT M24 OFF ROUTE	M7 Type II
K184	1345010784104	MINE AT HE M75 (SEE RMKS)	M5
K290	1345011446444	DISP & MINES ACFT CBU-89/B	M5
K292	1345011624297	DISP & MINES ACFT CBU-89(T-4)/B (TRNG)	M5
K295	1345012038926	DISP & MINE ACFT CBU-78/B	M5
K295	1345013415162	DISP & MINE ACFT CBU-78/B	M5
K299	1345012939001	DISP & MINES ACFT CBU-89A/B	M5
K301	1345013415160	DISP & MINE ACFT CBU 78A/B	M5
K301	1345013415161	DISP & MINE ACFT CBU 78A/B	M5
L318	1370000286001	SIGNAL SMK GRND GRN M65	M9
L322	1370000286000	SIGNAL SMK ILLUM GRND YLW M64	M9
L374	1370011811336	LAUNCH CHG AA CCK-77/E	M30
L580	1370010740591	MARKER LOCATION MARINE MK58 MOD1	M8
L585	1370007944594	MARKER LOCATION MARINE MK58 MOD0	M8
M011	1377000214213	CTG IMPULSE MK17 MOD1	SPDN
M011	1377007070585	CTG IMPULSE MK17 MOD1	SPDN
M011	1377010892860	CTG IMPULSE MK17 MOD1	SPDN
M187	1377010570685	CTG IMPULSE ARD446-1	BALL
M207	1377007561668	CTG DELAY M90 ASSY	M2
M220	1377000286128	CTG IMPULSE M29A2	M2
M380	1377008020293	CTG IMPULSE M42A1 ASSY	M10
M389	1377007358157	CTG IMPULSE M146	M2
M442	1375008123973	DEMO KIT PROJECTED CHG PRAC M174 W/FUZE M1147	M7 Type II
M443	1375008123972	DEMO KIT PROJECTED CHG M173 W/FUZE M1134	M7 Type II
M510	1377007059494	CTG IMPULSE MK18 MOD0	M6
M710	1377008451058	INITIATOR CTG ACTUATED DELAY M26	M2
M720	1377008254910	CTG ACTUATED INITIATOR	M2
M837	1377004916192	CTG IMPULSE BBU-52/B	IMR-4198
M865	1377008915488	THRUSTER CTG ACTUATED M1A2	M10
M875	1377008490214	THRUSTER CTG ACTUATED M-16	M2
M965	1375001487159	DEMO KIT CRATERING M180	M7 Type I
MC69	1377003028489	CTG IMPULSE MK152 MOD0	M9
MC82	1377005318659	CTG IMPULSE	M6
MD54	1377010122961	CTG IMPULSE MK192 MOD0	M9

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
MF94	1377000074880	IGN ELEMENT ELECT	BALL
MF94	1377000074880	IGN ELEMENT ELECT	WC844
ML73	1376010552784	PROP PWDR SPCF BS-NACO TYPE 1 F/5IN/54	SPCF/NACO/BS-NACO
N547	1390002288416	PRIMER ELECT M80A1	Benite
N552	1390009356049	PRIMER ELECT M83	Benite
N560	1390002288425	PRIMER PERC M90	Benite
N568	1390010509510	PRIMER PERC M79	Benite
none	1305005410196	CTG CAL .30 TR M1	IMR-4895
none	1310010508896	CHG PROP M204 F/60MM MORTAR	M10
none	1310010555378	CTG 40MM	M9
none	1310012669706	CTG CASE 40MM M169	M2
none	1315001258808	CTG CASE W/CHG M67 & PRIMER M28B2	M1
none	1315003517910	CHG PROP HALF INCREM	M8
none	1315003517911	CHG PROP FIVE INCREM BUNDLE	M8
none	1315003517912	CHG PROP SINGLE INCREM	M8
none	1315004014899	CTG SUBASSY 3IN/50 CAL HC	SPDF
none	1315008216665	CHG PROP HALF INCREM	M8
none	1315008265393	FIVE INCREM BUNDLE	M8
none	1315008265401	CHG PROP INCREM M1A1	M8
none	1315010300442	PROP GRAIN (PROP M5)	M5
none	1315010508906	CHG PROP BAG LOADING	M9
none	1315010521319	PROJ 105MM M603 LOADING	M9
none	1315010555519	CHG PROP M178	M5
none	1315010662790	CHG PROP	M1
none	1315010682403	CTG SUBASSY 3IN/50 MK33 HE NFL F/TEST	SPDN
none	1315010739920	CTG 105MM CLEARING	M1
none	1315010793884	CTG 76MM/62CAL HE	M6+2
none	1315010921135	CTG SUBASSY 3IN/50 MK33 F/TEST	SPDN
none	1315011633428	CTG 3IN/50 SPOTTING CHG	SPDN
none	1315012332316	CHG PROP M200	M30
none	1315012554367	CTG 105MM M915 ASSY	M10
none	1315012554367	CTG 105MM M915 ASSY	M30
none	1315012901597	CHG PROP 81MM M219	M38/WC819
none	1315012901598	CHG PROP M218	M38/WC819
none	1315012904748	CTG IGN M752A1	M9
none	1315013159744	CTG 120MM TPT SUPER SLUG	Benite
none	1315013159744	CTG 120MM TPT SUPER SLUG	M30
none	1320010521317	EXPULSION CHG	M10
none	1320010771312	PROP GRAIN F/8IN M650	AHH
none	1320011712666	EXPULSION CHG	M10
none	1320012426568	EXPULSION CHG	M10
none	1320013349448	EXPULSION CHG	M10
none	1337010508871	LAU RCKT MTR M114	M7 Type II
none	1340002202051	MTR LOADING	M7 Type II
none	1340012604979	WHD 2.75IN PRAC M267	M10
none	1345001275544	RELOAD KIT MINE PRAC M132	M5
none	1361006861551	PROJECTOR CHG PRAC 7.2IN MK13 MOD0	SPDN

Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
none	1376000090041	PROP PWDR (PROP M1)	M1
none	1376000090044	PROP PWDR (PROP M10)	M10
none	1376000090045	PROP PWDR (PROP M30A1)	M30A1
none	1376002798760	PROP PWDR (PROP M6)	M6
none	1376004322191	PROP PWDR (PROP M30)	M30
none	1376004512881	PROP PWDR (PROP M1)	M1
none	1376004512882	PROP PWDR (PROP M2)	M2
none	1376007721370	PROP PWDR (PROP IMR 4064)	IMR-4064
none	1376010491448	PROP PWDR (PROP WC846)	WC846
none	1376010491449	PROP PWDR (PROP WC846)	WC846
none	1376010491467	PROP PWDR (PROP WC818)	WC818
none	1376010491469	PROP PWDR (PROP WC870)	WC870
none	1376010528502	PROP PWDR (CBI IGN PWDR)	CBI
none	1376010539358	PROP PWDR (PROP M1)	M1
none	1376010539359	PROP PWDR (PROP M30)	M30
none	1376010539367	PROP PWDR (PROP M30)	M30
none	1376010539370	PROP PWDR (PROP M6)	M6
none	1376010539371	PROP PWDR (PROP M30)	M30
none	1376010539372	PROP PWDR (PROP M6)	M6
none	1376010539373	PROP PWDR M9	M9
none	1376010545158	PROP PWDR (PROP WC875)	WC875
none	1376010545171	PROP PWDR (PROP IMR IMR-4475)	IMR-4475
none	1376010550997	PROP PWDR (PROP WC860)	WC860
none	1376010550998	PROP PWDR (PROP WC844)	WC844
none	1376010551555	PROP PWDR (PROP M30A1)	M30A1
none	1376010552772	PROP PWDR (PROP WC844)	WC844
none	1376010552783	PROP PWDR SPDN F/76MM	M6+2
none	1376010558597	PROP PWDR (PROP M1)	M1
none	1376010558598	PROP PWDR (PROP M10)	M10
none	1376010558599	PROP PWDR (PROP M30A2)	M30A2
none	1376010560768	PROP PWDR (PROP M1)	M1
none	1376010630140	PROP PWDR (PROP M1)	M1
none	1376010685086	PROP PWDR (PROP M30)	M30
none	1376010737529	PROP PWDR (PROP WC872)	WC872
none	1376010784062	PROP PWDR (PROP M6)	M6
none	1376010822105	PROP PWDR (PROP M9)	M9
none	1376010844229	PROP PWDR (PROP M30A1)	M30A1
none	1376010862973	PROP PWDR (PROP M31A1)	M31A1
none	1376011105580	PROP PWDR (PROP M30A2)	M30A2
none	1376011200957	PROP PWDR SPD F/3IN/50	SPD
none	1376011235089	PROP PWDR (PROP M17)	M17
none	1376011263602	PROP PWDR SPCF F/5IN/38	SPCF/NACO/BS-NACO
none	1376011265051	PROP PWDR SPCG (CORDITE-N) F/3IN/50	SPCG/Cordite N
none	1376011275190	PROP PWDR SPD F/5IN/38	SPD
none	1376011275191	PROP PWDR SPD F/5IN/54	SPD
none	1376011275193	PROP PWDR SPD F/16IN/45	SPD
none	1376011279539	PROP PWDR SPDB F/3IN/50	SPDB



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
none	1376011279541	PROP PWDR SPDF F/5IN/54	SPDF
none	1376011279542	PROP PWDR SPDF F/6IN/47	SPDF
none	1376011294679	PROP PWDR (PROP M6)	M6
none	1376011294680	PROP PWDR (PROP M6)	M6
none	1376011294681	PROP PWDR (PROP M6)	M6
none	1376011294682	PROP PWDR (PROP SPDN)	SPDN
none	1376011294683	PROP PWDR (PROP SPDN)	SPDN
none	1376011298056	PROP PWDR SPDB F/6IN/47	SPDB
none	1376011298058	PROP PWDR SPDW F/16IN/45	SPDW
none	1376011298059	PROP PWDR SPWF F/5IN/38	SPWF
none	1376011298061	PROP PWDR M1 TYPE 1 GRADE C	M1
none	1376011321692	PROP PWDR (PROP WC814)	WC814
none	1376011321710	PROP PWDR SPDW F/5IN/38	SPDW
none	1376011321711	PROP PWDR SPDF F/3IN/50	SPDF
none	1376011321712	PROP PWDR SPDF F/5IN/38	SPDF
none	1376011327304	PROP PWDR (PROP SPDW)	SPDW
none	1376011329160	PROP PWDR SPCF F/5IN/54	SPCF/NACO/BS-NACO
none	1376011420541	PROP PWDR (BS-NACO)	SPCF/NACO/BS-NACO
none	1376011491702	PROP PWDR (PROP M30)	M30
none	1376011779230	PROP PWDR (PROP JA2)	JA2
none	1376011779231	PROP PWDR (DIGL-RP)	DIGL-RP
none	1376011779233	PROP PWDR (DIGL-RP)	DIGL-RP
none	1376011803513	PROP PWDR (PROP WC844T)	WC844T
none	1376011841696	PROP PWDR (PROP IMR IMR-4895)	IMR-4895
none	1376011877650	PROP PWDR (PROP M14)	M14
none	1376011924164	PROP PWDR (PROP WC844)	WC844
none	1376012135669	PROP PWDR (PROP M31A1E1)	M31A1E1
none	1376012240356	PROP PWDR (PROP M2)	M2
none	1376013355054	PROP PWDR (PROP WC867)	WC867
none	1376013626503	PROP PWDR (PROP WC750)	WC750
none	1376013687116	PROP PWDR (PROP WCR845)	WCR 845
none	1410013438924	GM DIGITAL PRAC BTM 71E-2B (TOW)	M7 Type II
PA66	1410000871521	GM SURF ATTACK BGM-71A (TOW)	M7 Type II
PB18	1410000871527	GM SURF ATTACK PRAC BTM-71A (TOW)	M7 Type II
PB91	1410010072507	GM SURF ATTACK BGM-71A (TOW)	M7 Type II
PB92	1410011068514	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
PB92	1410012163172	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
PB93	1410011352092	GM SURF ATTACK BGM-71D (TOW)	M7 Type II
PB94	1410011391512	GM SURF ATTACK BGM-71A-2 (TOW)	M7 Type II
PB95	1410010072508	GM SURF ATTACK PRAC BTM-71A-1 (TOW)	M7 Type II
PB96	1410011379976	GM SURF ATTACK PRAC BTM-71A -2 (TOW)	M7 Type II
PB97	1410011816032	GM SURF ATTACK BGM-71A-3 (TOW)	M7 Type II
PB98	1410011806790	GM SURF ATTACK BGM-71C -1(TOW)	M7 Type II
PB99	1410011806791	GM SURF ATTACK PRAC BTM-71A-3 (TOW)	M7 Type II
PD62	1410012299948	GM SURF ATTACK BGM-71E (TOW)	M7 Type II
PE05	1410012577583	GM SURF ATTACK BGM-71C -7A (TOW)	M7 Type II
PE63	1410012576494	GM SURF ATTACK PRAC BTM-71A -2 (TOW)	M7 Type II



Appendix C: Propellant Usage by DODIC

DODIC	NSN	DESCRIPTION	PROP/COMP
PE64	1410012577585	GM SURF ATTACK PRAC BTM-71A-3A (TOW)	M7 Type II
PE96	1410013000254	GM SURF ATTACK BGM-71E -1B (TOW)	M7 Type II
PU67	1410014069251	GM SURF ATTACK BGM-71C -3B (TOW)	M7 Type II
PV01	1410013010815	GM SURF ATTACK BGM-71D -1B (TOW)	M7 Type II
PV02	1410013035172	GM SURF ATTACK PRAC BTM-71D-1B (TOW)	M7 Type II
PV03	1410013098303	GM SURF ATTACK BGM-71C -2B (TOW)	M7 Type II
PV04	1410013098301	GM SURF ATTACK PRAC BTM-71A -2B (TOW)	M7 Type II
PV05	1410013098302	GM SURF ATTACK PRAC BTM-71A-1B (TOW)	M7 Type II
PV15	1410013151531	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
PV15	1410013151532	GM SURF ATTACK BGM-71C (TOW)	M7 Type II
PV18	1410013225333	GM SURF ATTACK BGM-71F (TOW)	M7 Type II
PV45	1410013135365	GM SURF ATTACK BGM-71C-4B (TOW)	M7 Type II
PV47	1410013135367	GM SURF ATTACK BGM-71E-3B (TOW)	M7 Type II
SS27	1377012859721	CTG DUAL IMPULSE BBU-48/B	IMR-4227
WB32	1377005169924	CTG IMPULSE ARD446-1	BALL
Z129	1145001406779	CHG PROP M207 (ZONE 3)	M30
ZY57	1377010849358	CTG BOOSTER	M2

*Appendix D:*  
*References*

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## *REFERENCES*

*The following are the references used to compile this manual:*

*MIDAS Database, Defense Ammunition Center*

*Army Propellant Description Sheets, miscellaneous manufacturers*

*NAVORD OP 2215, Volume 1, Second Revision “Navy Gun-Type Ammunition”*

*TM 43-0001-27, Data Sheets: Small Caliber Ammunition*

*TM 43-0001-28, Data Sheets: Artillery Ammunition*

*TM 9-1300-214, Military Explosives*

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