Attachment 006

HAZARDOUS COMPONENT SAFETY DATA STATEMENT (HCSDS)

1. DATE PREPARED (YYMMDD): 91 May 07

REPORT CONTROL SYMBOL: MIL (AR) 1687

2. MATERIAL/COMPONENT/ASSEMBLY: Cartridge, Caliber, .50, Ball, M33

3. NUMBER: 10111

4. REVISION: H

5. APPLICABLE FEDERAL ACQUISITION REGULATION (FAR) SAFETY CLAUSE: 28.7102

PART I - SENSITIVITY (Apparatus and Comparison Values)

6. FRICTION TEST	7. IMPACT TEST	8. ELECTROSTATIC DISCHARGE TEST
NA	NA	NA

PART II - HAZARDS

9. FIRE	10. AUTO IGNITION TEMP.	11. FLASH POINT	12. DECOMPOSITION PRODUCTS
LOW	NA	NA	TOXIC, AVOID INHALATION AND INGESTION

13. FLAMMABLE AND/OR EXPLOSIVE LIMITS		14. EXPLOSION	15. EXPLOSIVE TEMP. (5 Sec)	16. DUSTS
a. LOWER PERCENT	b. UPPER PERCENT			
NA	NA	LOW	NA	NA

17. HEALTH HAZARD INFORMATION (Toxicity): NOT TOXIC

18. UNPACKED (In-Process) HAZARD CLASS (Specify Quantities Involved): CLASS 1.4

19. SPECIAL REQUIREMENTS (If additional space is needed, use plain bond paper)

Ref Dwg: 7553097 (Brass Case), 7553434 (Steel Case) and Spec: MIL-C-10190

Approved Packaging Drawings: (See Attached Sheet)

** Classifications* Tri-Service Coordinated

*** (See Attached Sheet)

PART III - SHIPPING/STORAGE CLASSIFICATION OF ITEM WHEN PACKED IN ACCORDANCE WITH APPROVED PACKING DRAWINGS

20. DOD HAZARD CLASS/DIV	21. DOD STORAGE COMPATIBILITY GROUP	22. DOT HAZARD CLASSIFICATION	23. DOT CONTAINER MARKING
1.4	C	1.4C	***

	a. TYPED OR PRINTED NAME	b. SIGNATURE	c. ORGANIZATION
24. PREPARED BY (Initiator)	R.W. BATSON	R.W. Batson	SAFETY OFFICE, ARDEC
25. CONCURRED IN BY	R.W. SNOOK	R.W. Snook	SAFETY OFFICE, ARDEC
26. SAFETY CHIEF OR AUTHORIZED REPRESENTATIVE	C. PETERS, P.E.	C. Peters	SAFETY OFFICE, ARDEC

The information relating to safety (herein referred to as "safety data") contained in this document is limited to those instances when the document is provided as a part of a procurement/production package which involves the development, testing, storage, manufacture, modification, renovation, demilitarization, packaging, transportation, handling, disposal, inspection, repair or any other use of the item, (material/component/assembly) which is specified in the contract. The safety data contained herein are examples which shall be used by the contractor to alert contractor personnel as well as other personnel of hazards associated with the procurement/production of the item. No representation is made that compliance with the information provided will prevent any accident to persons or property or that additional warnings may not be appropriate. Neither the foregoing nor any act or failure to act by the Government in regard to alerting personnel to the hazards of the item shall affect or relieve the contractor of responsibility for the safety of contractor personnel or property and for the safety of the general public in connection with the performance of the contract, or impose or add to any liability of the Government for such safety.

Sheet 1 of 5

DD Form 2357, APR 85

10111
H
7 May 91

Cartridge, Caliber, .50, Ball, M33

Spec: MIL-C-10190
HCSDS: 10111
Dwg: 7553097, Rev-G
7553434, Rev-A

Primer, Percussion, Commercial

HCSDS: 855

Dwg: 7645339

OR

Propellant, WC-860

Spec: MIL-P-3984

HCSDS: 10101
Dwg: 10534811
(~235 grains)

OR

Propellant, IMR-5010

Spec: MIL-P-3984

HCSDS: 10040
Dwg: 10534796
(~ 250 grains)

Bullet

Dwg: 7553098

Special Requirements: (Con't)

1. In accordance with applicable parts of HM-181A, Performance-Oriented Packaging Standards for proper description, packaging, marking and classification the following Hazard Classification is assigned to the subject item:

DOD Hazard Class/Div/SCG: 1.4C
DOT Hazard Class: 1.4C
(Part 173, Subpart C, Part 173.52)
DOT Label: Explosive 1.4C
(Part 172, Subpart B (172.411 (c) & (d))
DOT Proper Shipping Name (PSN): Cartridges for Weapons; Inert Projectile (Cartridges, Small Arms)
(Part 172, Subpart B and Part 172.101)
UN Serial Number/PSN: 0039 (Cartridges for Weapons; Inert Projectile (Cartridges, Small Arms)
DOT Container Marking: Cartridges for Weapons; Inert Projectile (Cartridges, Small Arms)
UN 0039
NSN: (As applicable)
DOT Authorization: (As applicable)
(Part 172, Subpart B, Part 172.301(a) and 172.320(b)
Packaging Method: US 005
Explosive Weight for QD Determination: lbs(kgs): 0.0342(0.0115)

2. The M33 Cartridge is either packed singularly or in multiple packages in combination with other cartridges. National Stock Numbers are as follows:

a. Cartridge, Caliber, .50, Ball, M33

NSN	DODIC	UN Ident	DOT Authorization
1305-00-542-0612	A555	0339	
1305-00-542-0614	A555	0339	EX-8812460
1305-00-585-4390	A553	0339	EX-8812483
1305-00-028-6570	A601	0339	EX-8810523
1305-00-029-6573**	A601	0339	EX-8807675
1305-00-028-6574	A555	0339	EX-8812329
1305-00-028-6575	A601	0339	EX-8810525
1305-00-028-6577**	A601	0339	EX-8807676
1305-00-028-6578	A601	0339	EX-8810526
1305-00-028-6580	A601	0339	EX-8810527
1305-00-555-4056**	A584	0339	EX-8807796

Cartridge, Caliber, .50, Ball, M33 (Con't)

NSN	DODIC	UN Ident	DOT Authorization
1305-00-555-4063	A584	0339	EX-8810547
1305-00-580-1146	A584	0339	EX-8810549
1305-00-585-4398	A553	0339	EX-8812482
1305-00-935-2109	A605	0339	EX-8812549

b. Cartridge, Caliber, .50, Ball, M33 and Tracer, M17

NSN	DODIC	UN Ident	DOT Authorization
1305-00-993-7727	A520	0339	EX-8812561
1305-00-028-6340	A556	0339	EX-8810511
1305-00-028-6344	A556	0339	EX-8810513
1305-00-028-6359	A556	0339	EX-8810516
1305-00-028-6366	A556	0339	EX-8810517
1305-00-585-5191	A552	0339	
1305-00-028-6582**	A621	0339	EX-8807677
1305-00-028-6583**	A557	0339	EX-8807678
1305-00-028-6587	A557	0339	EX-8812330
1305-00-764-8386	A520	0339	EX-8812506

c. Cartridge, Caliber, .50, Ball, M33 and Tracer, M1

NSN	DODIC	UN Ident	DOT Authorization
1305-00-689-4735	A588	0339	EX-8812502
1305-00-752-7890	A588	0339	EX-8812508

d. Cartridge, Caliber, .50, Ball, M33 and Ball, M2 and Tracer, M1

NSN	DODIC	UN Ident	DOT Authorization
1305-00-049-5125	A583	0339	EX-8812352

Approved Packaging Drawings:

200 Cartridges - M9 Linked: 10542439, 7553346, 11731655
(NSN: 1305-00-028-6583** - DODIC: A557)

170 Cartridges - M15A2 Linked: 11731651, 9332395, 9332394
(NSN: 1305-00-764-8386 - DODIC: A520)

10111
H
7 May 91

Approved Packaging Drawings: (Con't)

200 Cartridges - M9 Linked: 11735439, 7553346, 11731655
(NSN: 1305-00-028-6574 - DODIC: A555)

180 Cartridges - M15A2 Linked: 11735440, 8596993, 8596992

240 Cartridges: 11740757, 7553544, 11740658

170 Cartridges - M15A2 Linked: 9332514, 9332395, 9332394
(NSN: 1305-00-935-2109 - DODIC: A605)

170 Cartridges - M15A2 Linked: 9332515, 9332395, 9332394
(NSN: 1305-00-764-8386 - DODIC: A520)