



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
1325 J STREET
SACRAMENTO, CALIFORNIA 95814-2922

CESPK-PM-M

22 August 2005

MEMORANDUM FOR U.S. Army Presidio of Monterey, Environmental and Natural Resources, ATTN: Gail Youngblood, P.O. Box 5004, Presidio of Monterey, CA 93944-5004

SUBJECT: Revised Explosive Hazard Risk Code Classification Document

1. References:

a. Malcolm Pirnie, FINAL FORT ORD ORDNANCE AND EXPLOSIVES RISK ASSESSMENT PROTOCOL, October 2002.

b. USACE, Sacramento District, FINAL STANDARD OPERATING PROCEDURE FOR EXPLOSIVE HAZARD CLASSIFICATION OF MUNITIONS AND EXPLOSIVES OF CONCERN FOR RISK ASSESSMENT PURPOSES, Revision 1.3, March 2005.

2. The explosive hazard risk code classification document has been updated (enclosed). Please note that these explosive hazard risk codes for Ordnance and Explosives/Munitions and Explosives of Concern (OE/MEC) are defined by the Final Fort Ord Ordnance and Explosives Risk Assessment Protocol (Malcolm Pirnie, 2002) and are developed solely for assessing potential explosive hazard risks per the aforementioned risk assessment protocol. Appendix C of the OE risk assessment protocol contains the OE explosive hazard risk code classification document. As defined in Section 3 of the SOP for Explosive Hazard Classification of Munitions and Explosives of Concern for Risk Assessment Purposes (USACE 2005), this is a controlled document containing all of the MEC recovered at Former Fort Ord and the appropriate explosive hazard classification risk code associated with each MEC. As such, the OE Classification Document, as contained in Appendix C of the final Fort Ord OE risk assessment protocol, is where the official explosive hazard risk codes reside. Therefore, Appendix C of the OE risk assessment protocol needs to be updated with this revised explosive hazard risk code classification document.

3. Pursuant to the directions of the USACE PM, the Parsons master database also needs to be consistent with the explosive hazard risk code classification document and the Fort Ord OE risk assessment protocol. Therefore, appropriate steps need to be taken to ensure that the OE explosive hazard risk codes

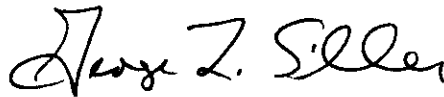
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contained in the explosive hazard risk code classification document (Appendix C of the OE risk assessment protocol) and the Parsons master database are identical.

4. Note that it is called a ``final'' document with the understanding that if ``new'' items are discovered, then the list would need to be updated.

5. If you have any questions or comments please contact me at (916) 557-7418.



GEORGE SILLER
Program Manager

Encl

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
2.36 INCH WARHEAD W/OUT FUZE (Model Unknown)	TBD	Worst case it would = 3 (High Explosive or White Phosphorus)
activator; AT mine; prac; M1	1	Contains primer
base; coupler	1	Contains primer
BLASTING CAP FROM MK 2 HAND GRENADE (Model Unknown)	TBD	Determined on case by case basis
BLOCKS; C4 (Model Unknown)	TBD	Determined on case by case basis
BLOCKS; DEMO; C4 (Model Unknown)	TBD	Determined on case by case basis
Bomb; 25 lb; practice; BDU-33 series	1	Spotting Charge
Bomb; 3 lb; practice; MK23 series	1	Contains primer
Bomb; practice - MK23	1	Contains primer
BULK PYROTECHNIC MATERIAL; RESIDUE (Model Unknown)	TBD	Determined on case by case basis
BULK; HE (Model Unknown)	TBD	Determined on case by case basis
burst; field; incendiary; M4	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
CANISTER; 155mm; Smoke (Model Unknown)	0	Inert
Canister; 76mm; M363	0	Inert
CANISTER; SMOKE; YELLOW; C-8 (UK) (Model Unknown)	0	Inert
cap; blasting; electric; M6	1	Energetic Materials
cap; blasting; electric; M7	1	Small High Explosive Charge (0.005 lb)
CARTRIDGE CASE; 106MM; M93B1	0	Inert
cartridge case; 40mm (expended)	0	Expended
Cartridge case; 40mm (projectile removed/case intact)	1	Expelling charge
Cartridge; 20mm; High Explosive Incendiary; M210	3	High Explosive
CARTRIDGE; 20mm; Target Practice; M204	1	Contains propellant
CARTRIDGE; 35mm; RIOT CONTROL; E 23; Civilian	1	Expelling charge; Tear gas
CARTRIDGE; 37MM; HE (Model Unknown)	3	High Explosive
CARTRIDGE; 40MM; Multipurpose; M576	1	Expelling charge
Cartridge; 40mm; practice; M382	1	Small Spotting Charge
Cartridge; 40mm; practice; M781	1	"Full Up Cartridge" - Propellant
Cartridge; 75mm; blank; M337	2	1 lb Black Powder + Primer
cartridge; grenade; auxiliary; M7	1	Small amount of smoke-less powder
cartridge; ignition; M2 series	1	Contains pyrotechnic mixture
Cartridge; ignition; M4 series	1	Pyrotechnic
CARTRIDGE; IGNITION; TYPE UNKNOWN (Model Unknown)	1	Pyrotechnic
Charge; black powder; practice grenade	1	Black powder
charge; demolition; TNT; 0.25lbs	2	Bulk explosive
charge; demolition; TNT; 0.5lbs	2	Bulk explosive
charge; nitrostarch; 0.25lb	2	Bulk explosive
CHARGE; PROPELLING; M1A1	1	Energetic material
COMPOUND; PYROTECHNIC (Model Unknown)	TBD	Determined on case by case basis
COMPOUND; SMOKE; BAG (Model Unknown)	N/A	Insufficient data to assign a risk code
cutter; line; M2	1	Contains small propellant charge
DETONATING CORD (Model Unknown)	TBD	Determined on case by case basis
Detonating Cord; PETN (Primacord)	TBD	Determined on case by case basis
Explosive; bulk; High Explosive	TBD	Determined on case by case basis
firing device; combination; MK1	1	Contains primer
firing device; multi-option; M142	1	Contains primer
firing device; pressure; M1A1	1	Contains primer
firing device; pull friction; M2	1	Contains primer
firing device; pull; M1	1	Contains primer
firing device; release; M1	1	Contains primer
firing device; release; M5	1	Contains primer

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
firing device; tension and release; M3	1	Contains primer
Flare; aircraft; parachute; M9A1	2	Contains black powder and pyrotechnic mixture
flare; parachute; trip; M48	2	Propelling charge and pyrotechnic mixture
flare; surface; trip; M49 series	1	Pyrotechnic mixture and primer
FLARE; TYPE UNKNOWN (Model Unknown)	TBD	Determined on case by case basis
Fuse; time; blasting; M700	1	Contains black powder
Fuze; bomb; nose M103	2	Booster charge
fuze; chemical; mine; antitank; M600	0	Inert
Fuze; grenade (Model Unknown)	1	Insufficient Data - risk code assigned based on worst case
fuze; grenade; hand; M10A3 series	1	Contains small explosive charge
Fuze; grenade; hand; M204 series	1	Small amount of High Explosive (0.008 lb)
fuze; grenade; hand; M205	1	Pyrotechnic delay igniting fuze
fuze; grenade; hand; M206 series	1	Contains small explosive charge
fuze; grenade; hand; M213	1	Contains small explosive charge
fuze; grenade; hand; M215	1	Contains small explosive charge
fuze; grenade; hand; M217	1	Contains small explosive charge
fuze; grenade; hand; M218E1	1	Contains small explosive charge
fuze; grenade; hand; M219	1	Contains small explosive charge
fuze; grenade; hand; practice; M228	1	Pyrotechnic delay igniting fuze
fuze; grenade; igniting; M201	1	Pyrotechnic delay igniting fuze
Fuze; mine (Model Unknown)	1	Insufficient Data - risk code assigned based on worst case
fuze; mine; antitank; practice; M1A1	1	Small explosive charge
fuze; mine; antitank; practice; M604	1	Contains Primer and small smoke charge
fuze; mine; combination; M10 series	1	Contains small explosive charge
Fuze; mine; combination; M6A1	1	small amount of Low Explosive
Fuze; PROJECTILE; 40mm; (Model Unknown) (Ordnance component)	TBD	Determined on case by case basis
FUZE; PROJECTILE; BASE DETONATING; M534A1	2	Contains booster
Fuze; projectile; base detonating; practice; M38 w/o Booster	1	Small Primer
Fuze; projectile; base detonating; practice; M58 w/o booster	1	Contains detonator without booster. If booster, then = 2.
fuze; projectile; combination; M1907	1	Contains black powder
fuze; projectile; M38 series	2	Contains small primary explosive charge and buster charge
fuze; projectile; M48 series	2	Contains small primary explosive charge and buster charge
fuze; projectile; M503A2	2	Contains small primary explosive charge and buster charge
fuze; projectile; M51series	2	Contains small primary explosive charge and buster charge
fuze; projectile; M521	2	Contains small primary explosive charge and buster charge
fuze; projectile; M524 series	2	Contains small primary explosive charge and buster charge
fuze; projectile; M525	2	M525 series fuze is used with the M43A1 81 mm mortar
fuze; projectile; M54	2	Contains small primary explosive charge and buster charge
fuze; projectile; M548	2	Contains small primary explosive charge and buster charge
fuze; projectile; M55	2	Contains small primary explosive charge and buster charge
fuze; projectile; M557	2	Contains small primary explosive charge and buster charge
fuze; projectile; M571	2	Contains small primary explosive charge and buster charge
fuze; projectile; M58	2	Contains small primary explosive charge and buster charge
fuze; projectile; M68	2	Contains small primary explosive charge and buster charge
fuze; projectile; M8	2	Contains small primary explosive charge and buster charge
fuze; projectile; M9	2	Contains small primary explosive charge and buster charge
Fuze; projectile; mechanical time super quick; M772	1	Small amount of black powder expelling charge
fuze; projectile; MK I	2	Contains small primary explosive charge and buster charge
fuze; projectile; MK IV	2	Contains small primary explosive charge and buster charge
Fuze; projectile; point detonating; M46	2	Booster cup+ small High Explosive charge

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
Fuze; projectile; point detonating; M52 series	2	Booster cup+ small High Explosive charge
Fuze; projectile; point detonating; M53 series	2	Booster cup+ small High Explosive charge
Fuze; projectile; proximity; M532	2	Booster + Small High Explosive Charge
Fuze; projectile; time (fixed); M65	2	Primer, powder time-ring charge, black powder pellet, and black powder expelling charge.
fuze; projectile; time; M84 series	2	Contains small primary explosive charge and buster charge
fuze; rocket; M404	2	Contains small primary explosive charge and buster charge
fuze; rocket; M405	0	Inert
fuze; smoke pot; electric; M209	1	contains small pyrotechnic charge
fuze; trench mortar; MK VI	2	Contains small primary explosive charge and buster charge
GRENADE; Fragmentaion; MK2	3	Fragmentaion
Grenade; General Purpose; practice; M75	1	Pyrotechnic
Grenade; hand riot; CS; M7A3	1	Riot control agent
grenade; hand; fragmentation; M67	3	High explosive; frgmentation producing or white phosphours munitions that contain bursters which split open case (expel WP)
grenade; hand; fragmentation; MK2	3	High explosive; frgmentation producing or white phosphours munitions that contain bursters which split open case (expel WP)
GRENADE; Hand; Fragmentation; MK2	3	High Explosive - Fragmentaion
grenade; hand; Illumination; MK1	1	Contains pyrotechnic mixture
grenade; hand; incendiary; AN-M14	1	Contains thermite burns at 4000 F
grenade; hand; offensive; MK3	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
grenade; hand; practice; M21	1	Contains delay ignition fuze
grenade; hand; practice; M30	1	Contains pyrotechnic delay ignition fuze
grenade; hand; practice; M62	1	Contains pyrotechnic delay ignition fuze
grenade; hand; practice; M69	1	Contains pyrotechnic delay ignition fuze
grenade; hand; practice; MK2	1	Contains pyrotechnic delay ignition fuze
GRENADE; HAND; RIOT; CN; M7 SERIES	1	Riot control agent
Grenade; hand; riot; CN1; ABC-M25A1	1	Irritant
grenade; hand; riot; CS; ABC-M25A2	1	Contains pyrotechnic delay ignition fuze
grenade; hand; riot; M25	1	Contains pyrotechnic delay ignition fuze & CS
GRENADE; HAND; SMOKE; COMMERCIAL; (Model Unknown); Civilian	1	Pyrotechnic
grenade; hand; smoke; HC; AN-M8	1	Contains pyrotechnic delay ignition fuze & smoke agent
grenade; hand; smoke; M18 series	1	Contains pyrotechnic delay ignition fuze & colored smoke agent
grenade; hand; smoke; M48	1	Contains pyrotechnic delay ignition fuze & red smoke agent
grenade; hand; smoke; WP; M15	3	Contains fuze and white phosphorus
grenade; hand; smoke; WP; M34	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
grenade; hand; training; MK1A1	0	Inert
grenade; rifle; antitank; M9 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
grenade; rifle; antitank; practice; M11	0	Inert
grenade; rifle; antitank; practice; M11A series	0	Inert
grenade; rifle; HEAT; M31	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
Grenade; rifle; high explosive antitank; M28	3	High Explosive (1 lb.)
grenade; rifle; M17	3	Contains EC powder & primer/detonator
GRENADE; Rifle; SMOKE (Model Unknown)	3	Assume worst case - White Phosphorus (M19)
grenade; rifle; smoke; M22 series	1	Contains igniting fuze and smoke mixture
grenade; rifle; smoke; M23 series	1	Contains igniting fuze and smoke mixture
grenade; rifle; smoke; WP; M19A1	3	Contains fuze; burster; white phosphorus (0.5 lb)

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

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Grenade; rifle; White Phosphorus; VB	3	Contains WP
Igniter; bomb; M23	3	Contains WP
Igniter; fuse; time; M60	1	Contains primer
Igniter; time fuze; blasting; M2	1	Contains primer
Mine; antipersonnel; M18A1 (claymore)	3	High Explosives
Mine; antipersonnel; practice M16A1	0	Inert
mine; antipersonnel; practice; M12	1	Contains primer; black powder and spotting charge
Mine; antipersonnel; practice; M16	0	Inert
mine; antipersonnel; practice; M18A1	0	Inert
Mine; Antipersonnel; Practice; M2A1B1	1	Spotting charge
mine; antipersonnel; practice; M8 series	1	Contains primer; black powder and spotting charge
MINE; Antipersonnel; PRACTICE; Non-metallic; T-34	1	Expelling charge/spotting charge(2 firecrackers)
mine; antitank; M20	1	Contains black powder and pyrotechnic mixture
MINE; Antitank; Practice (Model Unknown)	1	Spotting charge
mine; antitank; practice; M10	1	Contains primer black powder & spotting charge
MINE; ANTTANK; PRACTICE; M10	1	Spotting charge
Mine; antitank; practice; M1A1	1	Spotting charge - black powder
mine; antitank; practice; M20	1	Contains primer black powder & spotting charge
mine; antitank; simulator; M80	0	Inert
missile; guided; HEAT; M222 (DRAGON)	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
Missile; guided; practice; M231 (Dragon)	1	Rocket motor present
Ordnance Components	TBD	Determined on case by case basis
pot; smoke; MK3	1	Contains igniting fuze and HC smoke
pot; smoke; screening; 10lb; M1	1	Contains igniting fuze & HC smoke
pot; smoke; screening; 2.5lb; M1	1	Contains igniting fuze & HC smoke
pot; smoke; screening; 5lb;	1	Contains igniting fuze & HC smoke
primer; igniter tube; M5	1	Contains primer and smokeless powder
primer; igniter tube; M57	1	Contains primer and smokeless powder
primer; ignition; percussion; M82	1	Contains primer
primer; ignition; percussion; MK2	1	Contains primer
Projectile, 81mm, mortar, Flare Shell, T-23 (experimental)	1	Pyrotechnic (X-ray indicates no expelling charge)
Projectile; 105mm; target practice tracer; M67 series	0	No Energetic Material - Inert Filler
Projectile; 155mm; Smoke; BE; M116 series	2	Expelling charge (0.34 lb High explosive)
PROJECTILE; 20mm; HE (Model Unknown)	3	High Explosive
Projectile; 20mm; high explosive incendiary; M56A3	3	High Explosives
projectile; 20mm; incendiary; M96	0	Requires high velocity impact
Projectile; 20mm; incendiary; M96	1	Incendiary Material
projectile; 20mm; M204	0	Inert
projectile; 20mm; M206A1	0	Inert
projectile; 20mm; M95	0	Inert
Projectile; 20mm; Practice; MK105	0	inert
Projectile; 20mm; practice; MK 11	0	Inert
projectile; 20mm; target practice; M99	0	Inert piece of metal
projectile; 22mm; subcaliber; practice; M744	1	Contains primer and pyrotechnic mixture
Projectile; 25mm; subcaliber; M379	1	Small charge - .22 blank
projectile; 25mm; subcaliber; target practice tracer; M793	1	Note Changed by JRE. Concurred by Clinton Huckins
Projectile; 3.2inch; Shrapnel	3	Fragment Producing
projectile; 30mm; target practice;M788	0	Inert piece of metal
projectile; 37 mm; High Explosive; M63	3	High Explosive - Fragmentation
PROJECTILE; 37MM; Low Explosive; MK1	3	Fragmentaion

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

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projectile; 37mm; M59	0	inert
projectile; 37mm; M74	0	inert
Projectile; 37mm; target practice; M55	1	Tracer present; Ref: TM 91904 dtd March 1944
Projectile; 37mm; target practice; M63 MOD1	2	Black Powder, no high velocity fragmentation
Projectile; 3inch Common Steel Shell	3	HE
Projectile; 3inch; Hotchkiss	3	Fragment Producing
Projectile; 3inch; mortar; practice; MK 1	1	Spotting charge - black powder
Projectile; 3inch; Practice M42 series	2	0.25 lbs of black powder
projectile; 4.2inch; mortar; illumination; M335 series	2	Contains fuze; black powder and pyrotechnic
projectile; 40mm; canopy; yellow smoke; M676	1	Pyrotechnic mixture
projectile; 40mm; cluster; M585	1	Contains primer & pyrotechnic mixture
Projectile; 40mm; CS; M651	1	Irritant
PROJECTILE; 40mm; HE; M383 SERIES (HE BALL ONLY) (Model Unknown) (Ordnance component)	TBD	Determined on case by case basis
projectile; 40mm; M682	1	Contains igniter and pyrotechnic mixture
projectile; 40mm; parachute; star; M661	1	Contains igniter and pyrotechnic mixture
projectile; 40mm; parachute; star; M662	1	Contains igniter and pyrotechnic mixture
Projectile; 40mm; Practice; model unknown	2	Worst case assessment
Projectile; 4inch; mortar; screening smoke; FM (Stokes)	3	7 lb FM smoke; Burster + Fuze
Projectile; 4inch; mortar; smoke; HC (Stokes)	2	Black Powder, HC (Hexachlorethane) Filler
Projectile; 50mm; Mortar; Type 89; Japanese Ni	3	may contain picric acid
Projectile; 57 mm; target practice; M306 series	1	Spotting charge - black powder
Projectile; 57mm; smoke; White Phosphorus; M308 series	3	Contains WP
Projectile; 60mm; mortar; high explosive; M720	3	HE
PROJECTILE; 75 mm; High Explosive (Model Unknown)	3	High Explosive
Projectile; 75mm; HE; M1	3	High Explosives
PROJECTILE; 75mm; High Explosive; M48	3	High Explosive
Projectile; 75mm; high explosives; MK I	3	High Explosives
Projectile; 75mm; smoke; White Phosphorus; M311	3	Contains WP
Projectile; 76mm; canister; M363	0	Inert
Projectile; 8 inch; HE; M106 Series	3	HE (not child portable)
Projectile; 81 mm; mortar; high explosives; M374 series	3	Contains high explosives
PROJECTILE; 81MM; MORTAR (Model Unknown)	3	High Explosive or White Phosphorus
Projectile; 81mm; mortar; high explosive; M56	3	HE
PROJECTILE; 81MM; MORTAR; PRACTICE;M43	2	"Healthy" Spotting Charge
PROJECTILE; 81mm; MORTAR; SMOKE; White Phosphorus; M375 SERIES	3	White Phosphorus
PROJECTILE; 84mm; High Explosive Anti-Tank; M134 (AT4)	3	High Explosive
Projectile; 90mm; high explosives antitank; M371A1	3	HE; Fragmentation producing
projectile; AP; incendiary; 20mm; M53	1	Contains incendiary mixture
projectile; AP-T; 37mm; M51 series	0	Inert
projectile; AP-T; 37mm; M74	0	Inert
projectile; AP-T; 37mm; M80	0	Inert
projectile; AP-T; 57mm; M64	0	Inert
projectile; AP-T; 57mm; M70	0	Inert
projectile; AP-T; 57mm; M78	0	Inert
projectile; AP-T; 76mm; M339	0	Inert
projectile; AP-T; 76mm; M62	0	Inert
projectile; HE; 105mm; M1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 155mm; M107	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

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projectile; Target Practice; 20mm; M55A2	0	Inert
projectile; HE; 37mm; M43	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 37mm; M54	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 37mm; M63	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 37mm; MK II	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M381	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M383	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M384	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M386	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M397	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M441	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 57mm; M306 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 75mm; M309	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 75mm; M41A1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 75mm; M48	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 76mm; M352	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEAT; 57mm; M307	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEAT; 84mm; M136 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEAT; 90mm; M348	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEDP; 40mm; M430	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEDP; 40mm; M433	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEI; 20mm; M56A3	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE-T; 40mm; M677	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE-T; 40mm; MK2 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE-T; 90mm; M71	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; illumination; 155mm; M118 series	2	Contains black powder and pyrotechnic mixture
projectile; illumination; 105mm; M314 series	2	Contains black powder and pyrotechnic mixture
projectile; illumination; 155mm; M485 series	2	Contains black powder and pyrotechnic mixture

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
projectile; LE; 37mm; MK II	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; LE; 37mm; MK I	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 3inch; MK I(stokes)	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 4.2inch; M3 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 4.2inch; M329 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 4inch; MK1 (stokes)	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 60mm; M49 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 81mm; M362	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; HE; 81mm; M43 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; mortar; illumination; 60mm; M721	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; illumination; 60mm; M83 series	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; illumination; 81mm; M301 series	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; illumination; 81mm; M853A1	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; practice; 3inch; MK III(stokes)	1	Contains small black powder spotting charge
projectile; mortar; practice; 4inch; MK1 (stokes)	1	Contains small black powder spotting charge
projectile; mortar; practice; 60mm; M50 series	2	Fuze and large spotting charge
projectile; mortar; practice; 81mm; M43 series	2	Fuze; large spotting charge
projectile; mortar; smoke White Phosphorus; 4.2inch; M328	3	Contains fuze; burster; white phosphorus
projectile; mortar; smoke; 60mm; White Phosphorus; M302	3	Fuze burster; white phosphorus (0.75 lb)
projectile; mortar; smoke; White Phosphorus; 81mm; M375	3	Fuze; burster; white phosphorus (1.6 lb)
projectile; mortar; smoke; White Phosphorus; 81mm; M57 series	3	Contains fuze; burster; white phosphorus (4.6 lb)
projectile; mortar; training; 60mm; M69	0	Inert
projectile; mortar; training; 81mm; M68	0	Inert
projectile; mortar; White Phosphorus; 4inch; (stokes)	3	Contains fuze; burster; white phosphorus (6+ lb)
projectile; practice; 40mm; M382	1	Contains primer & yellow dye
projectile; practice; 40mm; M385	0	Inert
projectile; practice; 40mm; M407A1	1	Contains small explosive charge
projectile; practice; 40mm; M781	0	Inert
projectile; practice; 40mm; M918	1	Contains primer and pyrotechnic mixture
projectile; practice; subcaliber; 14.5mm; M183A1	1	Contains ignition charge & pyrotechnic mixture
projectile; shrapnel; 155mm; MK I	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; Shrapnel; 75mm; MK1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; signal; 40mm; M583A1	1	Contains pyrotechnic mixture
projectile; smoke H.C.; 105mm; M84 series	2	Contains black powder and pyrotechnic mixture
projectile; smoke; 40mm; M680	1	Contains pyrotechnic mixture
projectile; smoke; 40mm; M713 series	1	Contains pyrotechnic mixture
Projectiles; 20 mm; Target Practice; M220	0	Inert
Projector; Livens; screening smoke; FM	3	Burster Charge High Explosives
Projotile; 81mm; ILLUMINATION; MORTAR (Model Unknown)	2	Expelling charge > 1 lb
PROPELLANT WAFERS (Model Unknown)	TBD	Determined on case by case basis

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
Propellant; rocket	TBD	Determined on case by case basis
propellant; waffers; mortar; 60mm;	1	Bulk propellant
PROPELLENT; WAFFERS; 60mm; MORTAR	1	Propellant
pyrotechnic mixture; illumination	TBD	Determined on case by case basis
pyrotechnic; mixture; 0.25lbs;	1	Pyrotechnic mixture
pyrotechnic; mixture; 0.5lbs; M22	1	Pyrotechnic mixture
pyrotechnic; mixture; 2lbs;	1	Pyrotechnic mixture
pyrotechnic; mixture; smoke; 1lbs; M22	1	Pyrotechnic mixture
ROCKET MOTOR SIMULATOR (Model Unknown)	1	Pyrotechnic
Rocket motor; 2.36inch	1	If fired; assign code of 0
Rocket motor; 3.5inch	1	If fired; assign code of 0
rocket; 2.75inch; M247	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
ROCKET; 4.5 INCH; Barrage; MK I 3; MOD 0	3	High Explosives
Rocket; 4.5inch; practice; M17	0	Inert
Rocket; 83MM; assault; dual mode (SMAW); MK I	3	High Explosives
Rocket; 83MM; assault; dual mode (SMAW); practice; MK II	0	Expended; inert
Rocket; 84mm; FFV 552 Carl Gustav	3	HE
rocket; antitank; HE; 2.36inch; M6	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
rocket; barrage; HE; 4.5inch; MK3	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
rocket; barrage; practice; 4.5inch; MK3	0	Inert
rocket; guidance motors/igniters (Dragon)	1	Small rocket motor containing 8 grams propellant
rocket; HEAT; 3.5inch; M28 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
rocket; HEAT; 66mm; M72 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
rocket; incendiary; TPA; 66mm; M74	3	Fuze; incendiary material (produces large fire ball when detonated)
rocket; practice; 2.36inch; M7	0	Inert
rocket; practice; 3.5inch; M29 series	0	Inert
rocket; practice; subcaliber; 35mm; M73	1	Contains primer and pyrotechnic mixture
rocket; smoke; White Phosphorus; 2.36inch; M10	3	Fuze; burster; white phosphorus (0.89 lb)
rocket; smoke; White Phosphorus; 3.5inch; M30	3	Fuze; burster; white phosphorus (2.3 lb)
signal; ground; rifle; parachute; M17 series	1	Propellant and pyrotechnic mixture
signal; illumination; aircraft; AN-M37 series	1	Pyrotechnic mixture
signal; illumination; AN-M38A2	1	Pyrotechnic mixture
signal; illumination; AN-M39A2	1	Pyrotechnic mixture
signal; illumination; AN-M42A2	1	Pyrotechnic mixture
signal; illumination; AN-M43 series	1	Pyrotechnic mixture
signal; illumination; AN-M44 series	1	Pyrotechnic mixture
signal; illumination; AN-M54A2	1	Pyrotechnic mixture
Signal; illumination; comet 1260	1	Pyrotechnic
SIGNAL; ILLUMINATION; GROUND; (Model Unknown)	2	Worst case - Pyrotechnic
signal; illumination; ground; green star cluster; M125A1	1	NOTE Changed by JRE. Concurred by Clinton Huckins
signal; illumination; ground; M131	2	Contains rocket motor
signal; illumination; ground; M158	2	Contains rocket motor
signal; illumination; ground; M159	2	Contains rocket motor
signal; illumination; ground; M20A1	1	Propellant and pyrotechnic mixture
signal; illumination; ground; M21A1	1	Propellant and pyrotechnic mixture

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
signal; illumination; ground; M52A1	1	Propellant and pyrotechnic mixture
signal; illumination; ground; parachute; rifle; M19 series	1	Propellant and pyrotechnic mixture
signal; illumination; ground; M125 series	2	Contains rocket motor; primer; pyrotechnic mixture
signal; illumination; ground; M126 series	2	Contains rocket motor; primer; pyrotechnic mixture
signal; illumination; ground; M127 series	2	Contains rocket motor; primer; pyrotechnic mixture
signal; illumination; M187	1	Contains primer and pyrotechnic mixture
signal; illumination; M188	1	Contains primer and pyrotechnic mixture
signal; illumination; M189	1	Contains primer and pyrotechnic mixture
signal; illumination; M190	1	Contains primer and pyrotechnic mixture
signal; illumination; M195	1	Contains rocket motor
Signal; illumination; M51A1	1	Pyrotechnic
signal; rifle; illumination; M17A1	1	Propellant and pyrotechnic mixture
signal; smoke and illumination; marine; AN-MK13;MOD 0	1	Pyrotechnic mixture
signal; smoke; ground; M128A1	2	Contains rocket motor
signal; smoke; ground; M129A1	2	Contains rocket motor
Signal; smoke; ground; M166 series	1	Pyrotechnic
signal; smoke; ground; M168	1	Contains igniter and pyrotechnic mixture
signal; smoke; ground; M62	1	Propellant and pyrotechnic mixture
Signal; smoke; ground; M65 series	1	Pyrotechnic
Signal; smoke; ground; parachute; M129 series	2	Rocket Motor
SIMULATOR; BLAST; (Model Unknown)	2	Worst case - Pyrotechnic
simulator; Blast; stinger; civilian; M15	2	Contains pyrotechnic mixture (similar to grenade simulator)
simulator; Detonation; explosive; M80	1	Contains pyrotechnic mixture
simulator; explosive booby trap; flash; M117	1	Contains pyrotechnic mixture
simulator; explosive booby trap; illumination; M118	1	Contains pyrotechnic mixture
simulator; explosive booby trap; whistling; M119	1	Contains pyrotechnic mixture
simulator; flash artillery; M110	1	Contains pyrotechnic mixture
simulator; Flash artillery; M21	1	Contains pyrotechnic mixture
simulator; grenade; hand; M116A1	2	Contains photoflash powder
simulator; launching; ANTITANK GUIDED MISSILE AND ROCKET; M22	1	Primer and pyrotechnic mixture
simulator; projectile; airburst; M27A1B1	1	Pyrotechnic mixture
simulator; projectile; airburst; M74 series	1	Primer and pyrotechnic mixture
simulator; projectile; ground burst; M115A2	2	Contains photoflash powder
squib; electric	1	Contains small pyrotechnic mixture
squib; rocket; simulator	1	Contains small pyrotechnic mixture
TUBE; FLASH ;Cartridge CASE; ARTILLERY; (Model Unknown) (Ordnance Component)	TBD	Determined on case by case basis
* MEC ITEM HAZARD CODES and DEFINITIONS		
0 - Inert MEC; will cause no injury.		
1 - MEC that will cause minor injury; in extreme cases could cause major injury or death to an individual if functioned by an individuals activities.		
2 - MEC that will cause major injury; in extreme cases could cause death to an individual if functioned by an individuals activities.		
3 - MEC that will kill an individual if functioned by an individual's activities.		
NOTES:		

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
1. OE/MEC ITEM HAZARD CODE SOURCE: Ordnance and Explosives Risk Impact Assessment (OERIA); USACE; Huntsville District; 2001; modified to meet Former Fort Ord specific conditions.		
2. Fuzes: All fuzes contain a small primary and secondary explosive charge		
3. Portability: All 155 mm projectiles are considered to be non-transportable by a child.		
4. Inert. No reactive chemicals or energetic components		
TBD - To Be Determined		
7. 3.5" Rocket. TM 9-1950 shows this fuze is used with the M29A2; 3.5" Practice Rocket; which is inert. This is confirmed by TM 60F-2-2-30 (Not available to others than EOD and HNC). This TM states "The M29 series rockets use the M405 dummy fuze".		

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS	
2.36 INCH WARHEAD W/OUT FUZE (Model Unknown)	TBD	Worst case it would = 3 (High Explosive or White Phosphorus)	Red font: September 2004 meeting.
activator: AT mine; prac; M1	1	Contains primer	Blue font: MRS 13B - December 2004 meeting.
base; coupler	1	Contains primer	Pink font: April 2003 meeting.
BLASTING CAP FROM MK 2 HAND GRENADE (Model Unknown)	TBD	Determined on case by case basis	Black font: Table from Final OE RA Protocol
BLOCKS; C4 (Model Unknown)	TBD	Determined on case by case basis	Brown font: 19 April 2005 meeting
BLOCKS; DEMO; C4 (Model Unknown)	TBD	Determined on case by case basis	Green font: 16 May 2005 meeting
Bomb; 25 lb; practice; BDU-33 series	1	Spotting Charge	Violet font: 6 June 2005 meeting
Bomb; 3 lb; practice; MK23 series	1	Contains primer	Orange font: 7 July 2005 Concurrence emails from EH Committee
Bomb; practice - MK23	1	Contains primer	Gray font: 5 August 2005 concurrence emails from EH Committee
BULK PYROTECHNIC MATERIAL; RESIDUE (Model Unknown)	TBD	Determined on case by case basis	
BULK; HE (Model Unknown)	TBD	Determined on case by case basis	
burster; field; incendiary; M4	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
CANISTER; 155mm; Smoke (Model Unknown)	0	Inert	
Canister; 76mm; M363	0	Inert	
CANISTER; SMOKE; YELLOW; C-8 (UK) (Model Unknown)	0	Inert	
cap; blasting; electric; M6	1	Energetic Materials	
cap; blasting; electric; M7	1	Small High Explosive Charge (0.005 lb)	
CARTRIDGE CASE; 106MM; M93B1	0	Inert	
cartridge case; 40mm (expended)	0	Expended	Red font: September 2004 meeting.
Cartridge case; 40mm (projectile removed/case intact)	1	Expelling charge	Blue font: MRS 13B - December 2004 meeting.
Cartridge; 20mm; High Explosive/incendiary - Illumination M210	3	High Explosive	Pink font: April 2003 meeting.
CARTRIDGE; 20mm; Target Practice; M204	1	Contains propellant	Black font: Table from Final OE RA Protocol
CARTRIDGE; 35mm; RIOT CONTROL; E 23; Civilian	1	Expelling charge; Tear gas	Brown font: 19 April 2005 meeting
CARTRIDGE; 37MM; HE (Model Unknown)	3	High Explosive	Green font: 16 May 2005 meeting
CARTRIDGE; 40MM; Multipurpose; M576	1	Expelling charge	Violet font: 6 June 2005 meeting
Cartridge; 40mm; practice; M382	1	Small Spotting Charge	Orange font: 7 July 2005 Concurrence emails from EH Committee
Cartridge; 40mm; practice; M781	1	"Full Up Cartridge" - Propellant	Gray font: 5 August 2005 concurrence emails from EH Committee
Cartridge; 75mm; blank; M337	2	1 lb Black Powder + Primer	
cartridge; grenade; auxiliary; M7	1	Small amount of smoke-less powder	
cartridge; ignition; M2 series	1	Contains pyrotechnic mixture	
Cartridge; ignition; M4 series	1	Pyrotechnic	
CARTRIDGE, IGNITION; TYPE UNKNOWN (Model Unknown)	1	Pyrotechnic	
Charge; black powder; practice grenade	1	Black powder	
charge; demolition; TNT; 0.25lbs	2	Bulk explosive	
charge; demolition; TNT; 0.5lbs	2	Bulk explosive	
charge; nitrostarch; 0.25lb	2	Bulk explosive	
CHARGE; PROPELLING; M1A1	1	Energetic material	
COMPOUND; PYROTECHNIC (Model Unknown)	TBD	Determined on case by case basis	
COMPOUND; SMOKE; BAG (Model Unknown)	N/A	Insufficient data to assign a risk code	
Cord; detonating Deleted - duplicate of 44	TBD	Determined on case by case basis	
CORD; DETONATING (PETN) (Model Unknown) Deleted - duplicate of 44	TBD	Determined on case by case basis	
cutter; line; M2	1	Contains small propellant charge	
Detonating Cord (Model Unknown)	TBD	Determined on case by case basis	
Detonating Cord; PETN (Primacord)	TBD	Determined on case by case basis	Red font: September 2004 meeting.
explosive; bulk; HE Deleted - duplicate of 47	TBD	Determined on case by case basis	Blue font: MRS 13B - December 2004 meeting.
Explosive; bulk; High Explosive	TBD	Determined on case by case basis	Pink font: April 2003 meeting.
firing device; combination; MK1	1	Contains primer	Black font: Table from Final OE RA Protocol
firing device; multi-option; M142	1	Contains primer	Brown font: 19 April 2005 meeting
firing device; pressure; M1A1	1	Contains primer	Green font: 16 May 2005 meeting
firing device; pull friction; M2	1	Contains primer	Violet font: 6 June 2005 meeting
firing device; pull; M1	1	Contains primer	Orange font: 7 July 2005 Concurrence emails from EH Committee
firing device; release; M1	1	Contains primer	Gray font: 5 August 2005 concurrence emails from EH Committee
firing device; release; M5	1	Contains primer	
firing device; tension and release; M3	1	Contains primer	
Flare; aircraft; parachute; M9A1	2	Contains black powder and pyrotechnic mixture	
flare; parachute; trip; M48	2	Propelling charge and pyrotechnic mixture	
flare; surface; trip; M49 series	1	Pyrotechnic mixture and primer	
FLARE; TYPE UNKNOWN (Model Unknown)	TBD	Determined on case by case basis	
Fuze; time; blasting; M700	1	Contains black powder	
Fuze; bomb; nose M103	2	Booster charge	
fuze; chemical; mine; antitank; M600	0	Inert	
Fuze; grenade (Model Unknown)	1	Insufficient Data - risk code assigned based on worst case	
Fuze; Grenade (Model Unknown) Deleted - duplicate of 63	4	Worst case	Red font: September 2004 meeting.
fuze; grenade; hand; M10A3 series	1	Contains small explosive charge	Blue font: MRS 13B - December 2004 meeting.
Fuze; grenade; hand; M204 series	1	Small amount of High Explosive (0.008 lb)	Pink font: April 2003 meeting.
fuze; grenade; hand; M205	1	Pyrotechnic delay igniting fuze	Black font: Table from Final OE RA Protocol
fuze; grenade; hand; M206 series	1	Contains small explosive charge	Brown font: 19 April 2005 meeting

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS	
fuze; grenade; hand; M213	1	Contains small explosive charge	Green font: 16 May 2005 meeting
fuze; grenade; hand; M215	1	Contains small explosive charge	Violet font: 6 June 2005 meeting
fuze; grenade; hand; M217	1	Contains small explosive charge	Orange font: 7 July 2005 Concurrence emails from EH Committee
fuze; grenade; hand; M218E1	1	Contains small explosive charge	Gray font: 5 August 2005 concurrence emails from EH Committee
fuze; grenade; hand; M219	1	Contains small explosive charge	
fuze; grenade; hand; practice; M228	1	Pyrotechnic delay igniting fuze	
fuze; grenade; igniting; M201	1	Pyrotechnic delay igniting fuze	
Fuze; mine (Model Unknown)	1	Insufficient Data - risk code assigned based on worst case	
fuze; mine; antitank; practice; M1A1	1	Small explosive charge	
fuze; mine; antitank; practice; M604	1	Contains Primer and small smoke charge	
fuze; mine; combination; M10 series	1	Contains small explosive charge	
Fuze; mine; combination; M6A1	1	small amount of Low Explosive	
Fuze; PROJECTILE; 40mm; (Model Unknown) (Ordnance component)	TBD	Determined on case by case basis	
FUZE; PROJECTILE; BASE DETONATING; M534A1	2	Contains booster	
Fuze; projectile; base detonating; practice; M38 w/o Booster	1	Small Primer	Red font: September 2004 meeting.
Fuze; projectile; base detonating; practice; M58 w/o booster	1	Contains detonator without booster. If booster, then = 2.	Blue font: MRS 13B - December 2004 meeting.
fuze; projectile; combination; M1907	1	Contains black powder	Pink font: April 2003 meeting.
fuze; projectile; M38 series	2	Contains small primary explosive charge and buster charge	Black font: Table from Final OE RA Protocol
fuze; projectile; M48 series	2	Contains small primary explosive charge and buster charge	Brown font: 19 April 2005 meeting
fuze; projectile; M503A2	2	Contains small primary explosive charge and buster charge	Green font: 16 May 2005 meeting
fuze; projectile; M51series	2	Contains small primary explosive charge and buster charge	Violet font: 6 June 2005 meeting
fuze; projectile; M521	2	Contains small primary explosive charge and buster charge	Orange font: 7 July 2005 Concurrence emails from EH Committee
fuze; projectile; M524 series	2	Contains small primary explosive charge and buster charge	Gray font: 5 August 2005 concurrence emails from EH Committee
fuze; projectile; M525	2	M525 series fuze is used with the M43A1 81 mm mortar	
fuze; projectile; M54	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M548	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M55	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M557	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M571	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M58	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M68	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M8	2	Contains small primary explosive charge and buster charge	
fuze; projectile; M9	2	Contains small primary explosive charge and buster charge	
Fuze; projectile; mechanical time super quick; M772	1	Small amount of black powder expelling charge	
fuze; projectile; MK I	2	Contains small primary explosive charge and buster charge	
fuze; projectile; MK IV	2	Contains small primary explosive charge and buster charge	
Fuze; projectile; point detonating; M46	2	Booster cup+ small High Explosive charge	
Fuze; projectile; point detonating; M52 series	2	Booster cup+ small High Explosive charge	
Fuze; projectile; point detonating; M53 series	2	Booster cup+ small High Explosive charge	
Fuze; projectile; proximity; M532	2	Booster + Small High Explosive Charge	
Fuze; projectile; time (fixed); M65	2	Primer, powder time-ring charge, black powder pellet, and black powder expellin charge.	
fuze; projectile; time; M84 series	2	Contains small primary explosive charge and buster charge	
fuze; rocket; M404	2	Contains small primary explosive charge and buster charge	Red font: September 2004 meeting.
fuze; rocket; M405	0	Inert	Blue font: MRS 13B - December 2004 meeting.
fuze; smoke pot; electric; M209	1	contains small pyrotechnic charge	Pink font: April 2003 meeting.
fuze; trench mortar; MK VI	2	Contains small primary explosive charge and buster charge	Black font: Table from Final OE RA Protocol
GRENADE; Fragmentation; MK2	3	Fragmentation	Brown font: 19 April 2005 meeting
Grenade; General Purpose; practice; M75	1	Pyrotechnic	Green font: 16 May 2005 meeting
Grenade; hand riot; CS; M7A1	1	Riot control agent	Violet font: 6 June 2005 meeting
grenade; hand; fragmentation; M67	3	High explosive; fragmentation producing or white phosphours munitions that contain bursters which split open case (expel WP	Orange font: 7 July 2005 Concurrence emails from EH Committee
grenade; hand; fragmentation; MK2	3	High explosive; fragmentation producing or white phosphours munitions that contain bursters which split open case (expel WP	Gray font: 5 August 2005 concurrence emails from EH Committee
GRENADE; Hand; Fragmentation; MK2	3	High Explosive - Fragmentation	
grenade; hand; illumination; MK1	1	Contains pyrotechnic mixture	
grenade; hand; incendiary; AN-M14	1	Contains thermite burns at 4000 F	
grenade; hand; offensive; MK3	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP	
grenade; hand; practice; M21	1	Contains delay ignition fuze	
grenade; hand; practice; M30	1	Contains pyrotechnic delay ignition fuze	
grenade; hand; practice; M62	1	Contains pyrotechnic delay ignition fuze	Red font: September 2004 meeting.
grenade; hand; practice; M69	1	Contains pyrotechnic delay ignition fuze	Blue font: MRS 13B - December 2004 meeting.
grenade; hand; practice; MK2	1	Contains pyrotechnic delay ignition fuze	Pink font: April 2003 meeting.
GRENADE; HAND; RIOT; CN; M7 SERIES	1	Riot control agent	Black font: Table from Final OE RA Protocol
Grenade; hand; riot; CN1; ABC-M25A1	1	Irritant	Brown font: 19 April 2005 meeting
grenade; hand; riot; CS; ABC-M25A2	1	Contains pyrotechnic delay ignition fuze	Green font: 16 May 2005 meeting
grenade; hand; riot; M25	1	Contains pyrotechnic delay ignition fuze & CS	Violet font: 6 June 2005 meeting

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS	
GRENADE; HAND; SMOKE; COMMERCIAL.; (Model Unknown); Civilian	1	Pyrotechnic	Orange font: 7 July 2005 Concurrence emails from EH Committee
grenade; hand; smoke; HC; AN-M8	1	Contains pyrotechnic delay ignition fuze & smoke agent	Gray font: 5 August 2005 concurrence emails from EH Committee
grenade; hand; smoke; M18 series	1	Contains pyrotechnic delay ignition fuze & colored smoke agent	
grenade; hand; smoke; M48	1	Contains pyrotechnic delay ignition fuze & red smoke agent	
grenade; hand; smoke; WP; M15	3	Contains fuze and white phosphorus	
grenade; hand; smoke; WP; M34	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
grenade; hand; training; MK1A1	0	Inert	
grenade; rifle; antitank; M9 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
grenade; rifle; antitank; practice; M11	0	Inert	
grenade; rifle; antitank; practice; M11A series	0	Inert	
grenade; rifle; HEAT; M31	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
Grenade; rifle; high explosive antitank; M28	3	High Explosive (1 lb.)	
grenade; rifle; M17	3	Contains EC powder & primer/detonator	
GRENADE; Rifle; SMOKE (Model Unknown)	3	Assume worst case - White Phosphorus (M19)	Red font: September 2004 meeting.
grenade; rifle; smoke; M22 series	1	Contains igniting fuze and smoke mixture	Blue font: MRS 13B - December 2004 meeting.
grenade; rifle; smoke; M23 series	1	Contains igniting fuze and smoke mixture	Pink font: April 2003 meeting.
grenade; rifle; smoke; WP; M19A1	3	Contains fuze; burster; white phosphorus (0.5 lb)	Black font: Table from Final OE RA Protocol
Grenade; rifle; White Phosphorus; VB	3	Contains WP	Brown font: 19 April 2005 meeting
Igniter; bomb; M23	3	Contains WP	Green font: 16 May 2005 meeting
Igniter; fuse; time; M60	1	Contains primer	Violet font: 6 June 2005 meeting
Igniter; time fuze; blasting; M2	1	Contains primer	Orange font: 7 July 2005 Concurrence emails from EH Committee
Mine; antipersonnel; M18A1 (claymore)	3	High Explosives	Gray font: 5 August 2005 concurrence emails from EH Committee
Mine; antipersonnel; practice M16A1	0	Inert	
mine; antipersonnel; practice; M12	1	Contains primer; black powder and spotting charge	
Mine; antipersonnel; practice; M16	0	Inert	
mine; antipersonnel; practice; M18A1	0	Inert	
Mine; Antipersonnel; Practice; M2A1B1	1	Spotting charge	
mine; antipersonnel; practice; M8 series	1	Contains primer; black powder and spotting charge	
MINE; Antipersonnel; PRACTICE; Non-metallic; T-34	1	Expelling charge/spotting charge(2 firecrackers)	
mine; antitank; M20	1	Contains black powder and pyrotechnic mixture	
MINE; Antitank; Practice (Model Unknown)	1	Spotting charge	
mine; antitank; practice; M10	1	Contains primer black powder & spotting charge	
MINE; ANTI-TANK; PRACTICE; M10	1	Spotting charge	
Mine; antitank; practice; M1A1	1	Spotting charge - black powder	
mine; antitank; practice; M20	1	Contains primer black powder & spotting charge	
mine; antitank; simulator; M80	0	Inert	
missile; guided; HEAT; M222 (DRAGON)	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
Missile; guided; practice; M231 (Dragon)	1	Rocket motor present	
Ordnance Components	TBD	Determined on case by case basis	Red font: September 2004 meeting.
pot; smoke; MK3	1	Contains igniting fuze and HC smoke	Blue font: MRS 13B - December 2004 meeting.
pot; smoke; screening; 10lb; M1	1	Contains igniting fuze & HC smoke	Pink font: April 2003 meeting.
pot; smoke; screening; 2.5lb; M1	1	Contains igniting fuze & HC smoke	Black font: Table from Final OE RA Protocol
pot; smoke; screening; 5lb;	1	Contains igniting fuze & HC smoke	Brown font: 19 April 2005 meeting
primer; igniter tube; M5	1	Contains primer and smokeless powder	Green font: 16 May 2005 meeting
primer; igniter tube; M57	1	Contains primer and smokeless powder	Violet font: 6 June 2005 meeting
primer; ignition; percussion; M82	1	Contains primer	Orange font: 7 July 2005 Concurrence emails from EH Committee
primer; ignition; percussion; MK2	1	Contains primer	Gray font: 5 August 2005 concurrence emails from EH Committee
Projectile; 81mm; mortar; Flare Shell; T-23 (experimental)	1	Pyrotechnic (X-ray indicates no expelling charge)	
Projectile; 105mm; target practice tracer; M67 series	0	No Energetic Material - Inert Filler	
Projectile; 155mm; Smoke; BE; M116 series	2	Expelling charge (0.34 lb High explosive)	
PROJECTILE; 20mm; HE (Model Unknown)	3	High Explosive	
Projectile; 20mm; high explosive incendiary; M56A3	3	High Explosives	
projectile; 20mm; incendiary; M96	0	Requires high velocity impact	
Projectile; 20mm; incendiary; M96	1	Incendiary Material	
projectile; 20mm; M204	0	Inert	
projectile; 20mm; M206A1	0	Inert	
projectile; 20mm; M95	0	Inert	
Projectile; 20mm; Practice; MK105	0	inert	
Projectile; 20mm; practice; MK 11	0	Inert	
projectile; 20mm; target practice; M99	0	Inert piece of metal	
projectile; 22mm; subcaliber; practice; M744	1	Contains primer and pyrotechnic mixture	
Projectile; 25mm; subcaliber; M379	1	Small charge - .22 blank	
projectile; 25mm; subcaliber; target practice tracer; M793	1	Note Changed by JRE. Concurred by Clinton Huckins	
Projectile; 3.2inch; Shrapnel	3	Fragment Producing	

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS	
projectile; 30mm; target practice; M788	0	Inert piece of metal	
projectile; 37 mm; target practice; High Explosive; M63	2 3	Black powder - No high velocity fragmentation	Red font: September 2004 meeting
PROJECTILE; 37MM; Low Explosive; MK1	3	Fragmentation	Blue font: MRS 13B - December 2004 meeting
projectile; 37mm; M59	0	inert	Pink font: April 2003 meeting
projectile; 37mm; M74	0	inert	Black font: Table from Final OE RA Protocol
Projectile; 37mm; target practice; M55	1	Tracer present; Ref: TM 91904 dtd March 1944	Brown font: 19 April 2005 meeting
Projectile; 37mm; target practice; M63 MOD1	2 2	Black Powder, No high velocity fragmentation	Green font: 16 May 2005 meeting
Projectile; 3inch Common Steel Shell	3	HE	Violet font: 6 June 2005 meeting
Projectile; 3inch; Hotchkiss	3	Fragment Producing	Orange font: 7 July 2005 Concurrence emails from EH Committee
Projectile; 3inch; mortar; practice; MK I	1	Spotting charge - black powder	Gray font: 5 August 2005 concurrence emails from EH Committee
Projectile; 3inch; Practice M42 series	2	0.25 lbs of black powder	
projectile; 4.2inch; mortar; illumination; M335 series	2	Contains fuze; black powder and pyrotechnic	
projectile; 40mm; canopy; yellow smoke; M676	1	Pyrotechnic mixture	
projectile; 40mm; cluster; M585	1	Contains primer & pyrotechnic mixture	
PROJECTILE; 40mm; CS; M651 Deleted - duplicate of 212	4	Riot control agent; tear gas	
Projectile; 40mm; CS; M651	1	Irritant	
PROJECTILE; 40mm; HE; M383 SERIES (HE BALL ONLY) (Model Unknown) (Ordnance component)	TBD	Determined on case by case basis	
projectile; 40mm; M682	1	Contains igniter and pyrotechnic mixture	
projectile; 40mm; parachute; star; M661	1	Contains igniter and pyrotechnic mixture	
projectile; 40mm; parachute; star; M662	1	Contains igniter and pyrotechnic mixture	Red font: September 2004 meeting
Projectile; 40mm; Practice; model unknown	2	Worst case assessment	Blue font: MRS 13B - December 2004 meeting
Projectile; 4inch; mortar; screening smoke; FM (Stokes)	3	7 lb FM smoke; Burster + Fuze	Pink font: April 2003 meeting
Projectile; 4inch; mortar; smoke; HC (Stokes)	2	Black Powder, HC (Hexachlorethane) Filler	Black font: Table from Final OE RA Protocol
Projectile; 50mm; Mortar; Type 89; Japanese Ni	3	may contain picric acid	Brown font: 19 April 2005 meeting
Projectile; 57 mm; target practice; M306 series	1	Spotting charge - black powder	Green font: 16 May 2005 meeting
Projectile; 57mm; smoke; White Phosphorus; M308 series	3	Contains WP	Violet font: 6 June 2005 meeting
PROJECTILE; 57mm; target practice; M306 series (with PD Fuze) Deleted - duplicate of 221	4	Spotting charge present	Orange font: 7 July 2005 Concurrence emails from EH Committee
Projectile; 60mm; mortar; high explosive; M720	3	High Explosive	Gray font: 5 August 2005 concurrence emails from EH Committee
PROJECTILE; 60mm; MORTAR; High Explosive; M720 SERIES Deleted - duplicate of 224	3	High Explosive	
PROJECTILE; 75 mm; High Explosive (Model Unknown)	3	High Explosive	
Projectile; 75mm; HE; M1	3	High Explosives	
PROJECTILE; 75mm; High Explosive; M48	3	High Explosive	
Projectile; 75mm; High explosives; MK I	3	High Explosives	
Projectile; 75mm; smoke; White Phosphorus; M311	3	Contains WP	
Projectile; 76mm; canister; M363	0	Inert	
Projectile; 8 inch; HE; M106 Series	3	HE (not child portable)	
Projectile; 81 mm; mortar; high explosives; M374 series	3	Contains high explosives	
PROJECTILE; 81MM; MORTAR (Model Unknown)	3	High Explosive or White Phosphorus	
Projectile; 81mm; mortar; high explosive; M56	3	HE	
PROJECTILE; 81MM; MORTAR; PRACTICE; M43	2	"Healthy" Spotting Charge	
PROJECTILE; 81mm; MORTAR; SMOKE; White Phosphorus; M375 SERIES	3	White Phosphorus	
PROJECTILE; 84mm; High Explosive Anti-Tank; M134 (AT4)	3	High Explosive	
Projectile; 90mm; high explosives antitank; M371A1	3	HE; Fragmentation producing	
projectile; AP; incendiary; 20mm; M53	1	Contains incendiary mixture	
projectile; AP-T; 37mm; M51 series	0	Inert	
projectile; AP-T; 37mm; M74	0	Inert	
projectile; AP-T; 37mm; M80	0	Inert	
projectile; AP-T; 37mm; M64	0	Inert	
projectile; AP-T; 37mm; M70	0	Inert	
projectile; AP-T; 37mm; M78	0	Inert	
projectile; AP-T; 76mm; M339	0	Inert	
projectile; AP-T; 76mm; M62	0	Inert	
projectile; HE; 105mm; M1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
projectile; HE; 155mm; M107	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	Red font: September 2004 meeting
projectile; HE; Target Practice; 20mm; M55A2	3 0	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) Inert	Blue font: MRS 13B - December 2004 meeting
projectile; HE; 37mm; M43	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	Pink font: April 2003 meeting
projectile; HE; 37mm; M54	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	Black font: Table from Final OE RA Protocol
projectile; HE; 37mm; M63	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	Brown font: 19 April 2005 meeting
projectile; HE; 37mm; MK II	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	Green font: 16 May 2005 meeting

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS
projectile; HE; 40mm; M381	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Violet font: 6 June 2005 meeting</i>
projectile; HE; 40mm; M383	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Orange font: 7 July 2005 Concurrence emails from EH Committee</i>
projectile; HE; 40mm; M384	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Gray font: 5 August 2005 concurrence emails from EH Committee</i>
projectile; HE; 40mm; M386	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M397	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 40mm; M441	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 57mm; M306 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 75mm; M309	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 75mm; M41A1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 75mm; M48	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE; 76mm; M352	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEAT; 57mm; M307	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEAT; 84mm; M136 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEAT; 90mm; M348	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEDP; 40mm; M430	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEDP; 40mm; M433	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HEI; 20mm; M56A3	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE-T; 40mm; M677	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE-T; 40mm; MK2 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; HE-T; 90mm; M71	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; Illum; 155mm; M118 series	2	Contains black powder and pyrotechnic mixture
projectile; illumination; 105mm; M314 series	2	Contains black powder and pyrotechnic mixture
projectile; illumination; 155mm; M485 series	2	Contains black powder and pyrotechnic mixture
projectile; LE; 37mm; MK II	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)
projectile; LE; 37mm; MK1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Red font: September 2004 meeting.</i>
projectile; mortar; HE; 3inch; MK I(stokes)	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Blue font: MRS 13B - December 2004 meeting.</i>
projectile; mortar; HE; 4.2inch; M3 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Pink font: April 2003 meeting.</i>
projectile; mortar; HE; 4.2inch; M329 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) Black font:Table from Final OE RA Protocol
projectile; mortar; HE; 4inch; MK1 (stokes)	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Brown font: 19 April 2005 meeting</i>
projectile; mortar; HE; 60mm; M49 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Green font: 16 May 2005 meeting</i>
projectile; mortar; HE; 81mm; M362	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Violet font: 6 June 2005 meeting</i>
projectile; mortar; HE; 81mm; M43 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP) <i>Orange font: 7 July 2005 Concurrence emails from EH Committee</i>
projectile; mortar; illumination; 60mm; M721	2	Contains fuze; black powder and pyrotechnic <i>Gray font: 5 August 2005 concurrence emails from EH Committee</i>
projectile; mortar; illumination; 60mm; M83 series	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; illumination; 81mm; M301 series	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; illumination; 81mm; M853A1	2	Contains fuze; black powder and pyrotechnic
projectile; mortar; practice; 3inch; MK III(stokes)	1	Contains small black powder spotting charge
projectile; mortar; practice; 4inch; MK1 (stokes)	1	Contains small black powder spotting charge
projectile; mortar; practice; 60mm; M50 series	2	Fuze and large spotting charge
projectile; mortar; practice; 81mm; M43 series	2	Fuze; large spotting charge
projectile; mortar; smoke White Phosphorus; 4.2inch; M328	3	Contains fuze; burster; white phosphorus

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS	
projectile; mortar; smoke; 60mm; White Phosphorus; M302	3	Fuze burster; white phosphorus(0.75 lb)	
projectile; mortar; smoke; White Phosphorus; 81mm; M375	3	Fuze; burster; white phosphorus (1.6 lb)	
projectile; mortar; smoke; White Phosphorus; 81mm; M57 series	3	Contains fuze; burster; white phosphorus (4.6 lb)	
projectile; mortar; training; 60mm; M69	0	Inert	Red font: September 2004 meeting.
projectile; mortar; training; 81mm; M68	0	Inert	Blue font: MRS 13B - December 2004 meeting.
projectile; mortar; White Phosphorus; 4inch; (stokes)	3	Contains fuze; burster; white phosphorus (6+ lb)	Pink font: April 2003 meeting.
projectile; practice; 40mm; M382	1	Contains primer & yellow dye	Black font: Table from Final OE RA Protocol
projectile; practice; 40mm; M385	0	Inert	Brown font: 19 April 2005 meeting
projectile; practice; 40mm; M407A1	1	Contains small explosive charge	Green font: 16 May 2005 meeting
projectile; practice; 40mm; M781	0	Inert	Violet font: 6 June 2005 meeting
projectile; practice; 40mm; M918	1	Contains primer and pyrotechnic mixture	Orange font: 7 July 2005 Concurrence emails from EH Committee
projectile; practice; subcaliber; 14.5mm; M183A1	1	Contains ignition charge & pyrotechnic mixture	Gray font: 5 August 2005 concurrence emails from EH Committee
projectile; shrapnel; 155mm; MK1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
projectile; Shrapnel; 75mm; MK1	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
projectile; signal; 40mm; M583A1	1	Contains pyrotechnic mixture	
projectile; smoke H.C.; 105mm; M84 series	2	Contains black powder and pyrotechnic mixture	
projectile; smoke; 40mm; M680	1	Contains pyrotechnic mixture	
projectile; smoke; 40mm; M713 series	1	Contains pyrotechnic mixture	
Projectiles; 20 mm; Target Practice; M220	0	Inert	
Projectile; Livens; screening smoke; FM	3	Burster Charge High Explosives	
Projectile; 81mm; ILLUMINATION; MORTAR (Model Unknown)	2	Expelling charge > 1 lb	
PROPELLANT WAFERS (Model Unknown)	TBD	Determined on case by case basis	
Propellant; rocket	TBD	Determined on case by case basis	
propellant; wafers; mortar; 60mm;	1	Bulk propellant	
PROPELLANT; WAFFERS; 60mm; MORTAR	1	Propellant	
pyrotechnic mixture; illumination	TBD	Determined on case by case basis	
pyrotechnic; mixture; 0.25lbs;	1	Pyrotechnic mixture	Red font: September 2004 meeting.
pyrotechnic; mixture; 0.5lbs; M22	1	Pyrotechnic mixture	Blue font: MRS 13B - December 2004 meeting.
pyrotechnic; mixture; 2lbs;	1	Pyrotechnic mixture	Pink font: April 2003 meeting.
pyrotechnic; mixture; smoke; 1lbs; M22	1	Pyrotechnic mixture	Black font: Table from Final OE RA Protocol
ROCKET MOTOR SIMULATOR (Model Unknown)	1	Pyrotechnic	Brown font: 19 April 2005 meeting
Rocket motor; 2.36inch	1	If fired; assign code of 0	Green font: 16 May 2005 meeting
Rocket motor; 3.5inch	1	If fired; assign code of 0	Violet font: 6 June 2005 meeting
rocket; 2.75inch; M247	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	Orange font: 7 July 2005 Concurrence emails from EH Committee
ROCKET; 4.5 INCH; Barrage; MK I 3; MOD 0	3	High Explosives	Gray font: 5 August 2005 concurrence emails from EH Committee
Rocket; 4.5inch; practice; M17	0	Inert	
Rocket; 83MM; assault; dual mode (SMAW); MK I	3	High Explosives	
Rocket; 83MM; assault; dual mode (SMAW); practice; MK II	0	Expended; inert	
Rocket; 84mm; FFV 552 Carl Gustav	3	HE	
rocket; antitank; HE; 2.36inch; M6	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
rocket; barrage; HE; 4.5inch; MK3	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
rocket; barrage; practice; 4.5inch; MK3	0	Inert	
rocket; guidance motors/igniters (Dragon)	1	Small rocket motor containing 8 grams propellant	
rocket; HEAT; 3.5inch; M28 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
rocket; HEAT; 66mm; M72 series	3	High explosive; fragmentation producing or white phosphorus munitions that contain bursters which split open case (expel WP)	
rocket; incendiary; TPA; 66mm; M74	3	Fuze; incendiary material (produces large fire ball when detonated)	
rocket; practice; 2.36inch; M7	0	Inert	
rocket; practice; 3.5inch; M29 series	0	Inert	
rocket; practice; subcaliber; 35mm; M73	1	Contains primer and pyrotechnic mixture	
rocket; smoke; White Phosphorus; 2.36inch; M10	3	Fuze; burster; white phosphorus (0.89 lb)	
rocket; smoke; White Phosphorus; 3.5inch; M30	3	Fuze; burster; white phosphorus (2.3 lb)	
signal; ground; rifle; parachute; M17 series	1	Propellant and pyrotechnic mixture	Red font: September 2004 meeting.
signal; illumination; aircraft; AN-M37 series	1	Pyrotechnic mixture	Blue font: MRS 13B - December 2004 meeting.
signal; illumination; AN-M38A2	1	Pyrotechnic mixture	Pink font: April 2003 meeting.
signal; illumination; AN-M39A2	1	Pyrotechnic mixture	Black font: Table from Final OE RA Protocol
signal; illumination; AN-M42A2	1	Pyrotechnic mixture	Brown font: 19 April 2005 meeting
signal; illumination; AN-M43 series	1	Pyrotechnic mixture	Green font: 16 May 2005 meeting
signal; illumination; AN-M44 series	1	Pyrotechnic mixture	Violet font: 6 June 2005 meeting
signal; illumination; AN-M54A2	1	Pyrotechnic mixture	Orange font: 7 July 2005 Concurrence emails from EH Committee
Signal; illumination; comet 1260	1	Pyrotechnic	Gray font: 5 August 2005 concurrence emails from EH Committee

FORT ORD ORDNANCE HAZARD CLASSIFICATION CODE

MEC ITEM DESCRIPTION	MEC ITEM HAZARD CODE*	REMARKS	
SIGNAL; ILLUMINATION; GROUND; (Model Unknown)	2	Worst case - Pyrotechnic	
signal; illumination; ground; green star cluster; M125A1	1	NOTE Changed by JRE. Concurred by Clinton Huckin	
signal; illumination; ground; M131	2	Contains rocket motor	
signal; illumination; ground; M158	2	Contains rocket motor	
signal; illumination; ground; M159	2	Contains rocket motor	
signal; illumination; ground; M20A1	1	Propellant and pyrotechnic mixture	
signal; illumination; ground; M21A1	1	Propellant and pyrotechnic mixture	
signal; illumination; ground; M52A1	1	Propellant and pyrotechnic mixture	
signal; illumination; ground; parachute; rifle; M19 series	1	Propellant and pyrotechnic mixture	
signal; illumination; ground; M125 series	2	Contains rocket motor; primer; pyrotechnic mixture	
signal; illumination; ground; M126 series	2	Contains rocket motor; primer; pyrotechnic mixture	
signal; illumination; ground; M127 series	2	Contains rocket motor; primer; pyrotechnic mixture	
signal; illumination; M187	1	Contains primer and pyrotechnic mixture	
signal; illumination; M188	1	Contains primer and pyrotechnic mixture	
signal; illumination; M189	1	Contains primer and pyrotechnic mixture	
signal; illumination; M190	1	Contains primer and pyrotechnic mixture	
signal; illumination; M195	1	Contains rocket motor	
Signal; illumination; M51A1	1	Pyrotechnic	
signal; rifle; illumination; M17A1	1	Propellant and pyrotechnic mixture	
signal; smoke and illumination; marine; AN-MK13;MOD 0	1	Pyrotechnic mixture	
signal; smoke; ground; M128A1	2	Contains rocket motor	
signal; smoke; ground; M129A1	2	Contains rocket motor	Red font: September 2004 meeting
Signal; smoke; ground; M166 series	1	Pyrotechnic	Blue font: MRS 13B - December 2004 meeting.
signal; smoke; ground; M168	1	Contains igniter and pyrotechnic mixture	Pink font: April 2003 meeting.
signal; smoke; ground; M62	1	Propellant and pyrotechnic mixture	Black font: Table from Final OE RA Protocol
Signal; smoke; ground; M65 series	1	Pyrotechnic	Brown font: 19 April 2005 meeting
Signal; smoke; ground; parachute; M129 series	2	Rocket Motor	Green font: 16 May 2005 meeting
SIMULATOR; BLAST; (Model Unknown)	2	Worst case - Pyrotechnic	Violet font: 6 June 2005 meeting
simulator; Blast; stinger; civilian; M15	2	Contains pyrotechnic mixture (similar to grenade simulator)	Orange font: 7 July 2005 Concurrence emails from EH Committee
simulator; Detonation; explosive; M80	1	Contains pyrotechnic mixture	Gray font: 5 August 2005 concurrence emails from EH Committee
simulator; explosive booby trap; flash; M117	1	Contains pyrotechnic mixture	
simulator; explosive booby trap; illumination; M118	1	Contains pyrotechnic mixture	
simulator; explosive booby trap; whistling; M119	1	Contains pyrotechnic mixture	
simulator; flash artillery; M110	1	Contains pyrotechnic mixture	
simulator; Flash artillery; M21	1	Contains pyrotechnic mixture	
simulator; grenade; hand; M116A1	2	Contains photoflash powder	
simulator; launching; ANTI-TANK GUIDED MISSILE AND ROCKET; M22	1	Primer and pyrotechnic mixture	
simulator; projectile; airburst; M27A1B1	1	Pyrotechnic mixture	
simulator; projectile; airburst; M74 series	1	Primer and pyrotechnic mixture	
simulator; projectile; ground burst; M115A2	2	Contains photoflash powder	
squib; electric	1	Contains small pyrotechnic mixture	
squib; rocket; simulator	1	Contains small pyrotechnic mixture	
TUBE; FLASH ;Cartridge CASE; ARTILLERY; (Model Unknown) (Ordnance Component)	TBD	Determined on case by case basis	
* MEC ITEM HAZARD CODES and DEFINITIONS			
0 - Inert MEC; will cause no injury.		Red font: September 2004 meeting.	
1 - MEC that will cause minor injury; in extreme cases could cause major injury or death to an individual if functioned by an individuals activities.		Blue font: MRS 13B - December 2004 meeting.	
2 - MEC that will cause major injury; in extreme cases could cause death to an individual if functioned by an individuals activities.		Pink font: April 2003 meeting.	
3 - MEC that will kill an individual if functioned by an individual's activities.		Black font: Table from Final OE RA Protocol	
NOTES:		Brown font: 19 April 2005 meeting	
1. OE/MEC ITEM HAZARD CODE SOURCE: Ordnance and Explosives Risk Impact Assessment (OERIA); USACE; Huntsville District; 2001; modified to meet Former Fort Ord specific conditions.		Green font: 16 May 2005 meeting	
2. Fuzes: All fuzes contain a small primary and secondary explosive charge.		Violet font: 6 June 2005 meeting	
3. Portability: All 155 mm projectiles are considered to be non-transportable by a child.		Orange font: 7 July 2005 Concurrence emails from EH Committee	
4. Inert. No reactive chemicals or energetic component		Gray font: 5 August 2005 concurrence emails from EH Committee	
TBD - To Be Determined			
7. 3.5" Rocket. TM 9-1950 shows this fuze is used with the M29A2; 3.5" Practice Rocket; which inert. This is confirmed by TM 60F-2-2-30 (Not available to others than EOD and HNC). This TM states "The M29-series rockets use the M405 dummy fuze".			