

## Appendix 8.2.7.2 – List of ATF & DOT Explosives

### ATF Listed Explosives - Based on ATF List published 12/23/2020

Acetylides of heavy metals.  
 Aluminum containing polymeric propellant.  
 Aluminum ophorite explosive.  
 Amatex.  
 Amatol.  
 Ammonal.  
 Ammonium nitrate explosive mixtures (cap sensitive).  
 \*Ammonium nitrate explosive mixtures (non-cap sensitive).  
 Ammonium perchlorate having particle size less than 15 microns.  
 Ammonium perchlorate explosive mixtures (excluding ammonium perchlorate composite propellant (APCP)).  
 Ammonium picrate [picrate of ammonia, Explosive D].  
 Ammonium salt lattice with isomorphously substituted inorganic salts.  
 \*ANFO [ammonium nitrate-fuel oil].  
 Aromatic nitro-compound explosive mixtures.  
 Azide explosives.  
 Baranol.  
 Baratol.  
 BEAF [1, 2-bis (2, 2-difluoro-2-nitroacetoxyethane)].  
 Black powder.  
 Black powder based explosive mixtures.  
 Black powder substitutes.  
 \*Blasting agents, nitro-carbo-nitrates, including non-cap sensitive slurry and water gel explosives.  
 Blasting caps.  
 Blasting gelatin.  
 Blasting powder.  
 BTNEC [bis (trinitroethyl) carbonate].  
 BTNEN [bis (trinitroethyl) nitramine].  
 BTTN [1,2,4 butanetriol trinitrate].  
 Bulk salutes.  
 Butyl tetryl.  
 Calcium nitrate explosive mixture.  
 Cellulose hexanitrate explosive mixture.  
 Chlorate explosive mixtures.  
 Composition A and variations.  
 Composition B and variations.  
 Composition C and variations.  
 Copper acetylide.  
 Cyanuric triazide.  
 Cyclonite [RDX].

Cyclotetramethylenetetranitramine [HMX].  
Cyclotol.  
Cyclotrimethylenetrinitramine [RDX].  
DATB [diaminotrinitrobenzene].  
DDNP [diazodinitrophenol].  
DEGDN [diethyleneglycol dinitrate].  
Detonating cord.  
Detonators.  
Dimethylol dimethyl methane dinitrate composition.  
Dinitroethyleneurea.  
Dinitroglycerine [glycerol dinitrate].  
Dinitrophenol.  
Dinitrophenolates.  
Dinitrophenyl hydrazine.  
Dinitroresorcinol.  
Dinitrotoluene-sodium nitrate explosive mixtures.  
DIPAM [dipicramide; diaminohexanitrobiphenyl].  
Dipicryl sulfide [hexanitrodiphenyl sulfide].  
Dipicryl sulfone.  
Dipicrylamine.  
Display fireworks.  
DNPA [2,2-dinitropropyl acrylate].  
DNPD [dinitropentano nitrile].  
Dynamite.  
EDDN [ethylene diamine dinitrate].  
EDNA [ethylenedinitramine].  
Ednatol.  
EDNP [ethyl 4,4-dinitropentanoate].  
EGDN [ethylene glycol dinitrate].  
Erythritol tetranitrate explosives.  
Esters of nitro-substituted alcohols.  
Ethyl-tetryl.  
Explosive conitrates.  
Explosive gelatins.  
Explosive liquids.  
Explosive mixtures containing oxygen-releasing inorganic salts and hydrocarbons.  
Explosive mixtures containing oxygen-releasing inorganic salts and nitro bodies.  
Explosive mixtures containing oxygen-releasing inorganic salts and water insoluble fuels.  
Explosive mixtures containing oxygen-releasing inorganic salts and water soluble fuels.  
Explosive mixtures containing sensitized nitromethane.  
Explosive mixtures containing tetranitromethane (nitroform).  
Explosive nitro compounds of aromatic hydrocarbons.  
Explosive organic nitrate mixtures.  
Explosive powders.  
Flash powder.  
Fulminate of mercury.

Fulminate of silver.  
Fulminating gold.  
Fulminating mercury.  
Fulminating platinum.  
Fulminating silver.  
Gelatinized nitrocellulose.  
Gem-dinitro aliphatic explosive mixtures.  
Guanyl nitrosamino guanyl tetrazene.  
Guanyl nitrosamino guanylidene hydrazine.  
Guncotton.  
Heavy metal azides.  
Hexanite.  
Hexanitrodiphenylamine.  
Hexanitrostilbene.  
Hexogen [RDX].  
Hexogene or octogene and a nitrated N-methylaniline.  
Hexolites.  
HMTD [hexamethylenetriperoxidediamine].  
HMX [cyclo-1,3,5,7-tetramethylene 2,4,6,8-tetranitramine; Octogen].  
Hydrazinium nitrate/hydrazine/aluminum explosive system.  
Hydrazoic acid.  
Igniter cord.  
Igniters.  
Initiating tube systems.  
KDNBF [potassium dinitrobenzo-furoxane].  
Lead azide.  
Lead mannite.  
Lead mononitroresorcinate.  
Lead picrate.  
Lead salts, explosive.  
Lead styphnate [styphnate of lead, lead trinitroresorcinate].  
Liquid nitrated polyol and trimethylolethane.  
Liquid oxygen explosives.  
Magnesium ophorite explosives.  
Mannitol hexanitate.  
MDNP [methyl 4,4-dinitropentanoate].  
MEAN [monoethanolamine nitrate].  
Mercuric fulminate.  
Mercury oxalate.  
Mercury tartrate.  
Metriol trinitrate.  
Minol-2 [40% TNT, 40% ammonium nitrate, 20% aluminum].  
MMAN [monomethylamine nitrate]; methylamine nitrate.  
Mononitrotoluene-nitroglycerin mixture.  
Monopropellants.  
NIBTN [nitroisobutametrial trinitrate].

Nitrate explosive mixtures.  
Nitrate sensitized with gelled nitroparaffin.  
Nitrated carbohydrate explosive.  
Nitrated glucoside explosive.  
Nitrated polyhydric alcohol explosives.  
Nitric acid and a nitro aromatic compound explosive.  
Nitric acid and carboxylic fuel explosive.  
Nitric acid explosive mixtures.  
Nitro aromatic explosive mixtures.  
Nitro compounds of furane explosive mixtures.  
Nitrocellulose explosive.  
Nitroderivative of urea explosive mixture.  
Nitrogelatin explosive.  
Nitrogen trichloride.  
Nitrogen tri-iodide.  
Nitroglycerine [NG, RNG, nitro, glyceryl trinitrate, trinitroglycerine].  
Nitroglycide.  
Nitroglycol [ethylene glycol dinitrate, EGDN].  
Nitroguanidine explosives.  
Nitronium perchlorate propellant mixtures.  
Nitroparaffins Explosive Grade and ammonium nitrate mixtures.  
Nitrostarch.  
Nitro-substituted carboxylic acids.  
Nitrotriazolone [3-nitro-1,2,4-triazol-5-one].  
Nitrourea.  
Octogen [HMX].  
Octol [75 percent HMX, 25 percent TNT].  
Organic amine nitrates.  
Organic nitramines.  
PBX [plastic bonded explosives].  
Pellet powder.  
Penthrinite composition.  
Pentolite.  
Perchlorate explosive mixtures.  
Peroxide based explosive mixtures.  
PETN [nitropentaerythrite, pentaerythrite tetranitrate, pentaerythritol tetranitrate].  
Picramic acid and its salts.  
Picramide.  
Picrate explosives.  
Picrate of potassium explosive mixtures.  
Picratol.  
Picric acid (manufactured as an explosive).  
Picryl chloride.  
Picryl fluoride.  
PLX [95% nitromethane, 5% ethylenediamine].  
Polynitro aliphatic compounds.

Polyolpolynitrate-nitrocellulose explosive gels.  
Potassium chlorate and lead sulfocyanate explosive.  
Potassium nitrate explosive mixtures.  
Potassium nitroaminotetrazole.  
Pyrotechnic compositions.  
Pyrotechnic fuses.  
PYX [2,6-bis(picrylamino)] 3,5-dinitropyridine.  
RDX [cyclonite, hexogen, T4, cyclo-1,3,5,-trimethylene-2,4,6,-trinitramine; hexahydro-1,3,5-trinitro-S-triazine].  
Safety fuse.  
Salts of organic amino sulfonic acid explosive mixture.  
Salutes (bulk).  
Silver acetylide.  
Silver azide.  
Silver fulminate.  
Silver oxalate explosive mixtures.  
Silver styphnate.  
Silver tartrate explosive mixtures.  
Silver tetrazene.  
Slurried explosive mixtures of water, inorganic oxidizing salt, gelling agent, fuel, and sensitizer (cap sensitive).  
Smokeless powder.  
Sodatol.  
Sodium amatol.  
Sodium azide explosive mixture.  
Sodium dinitro-ortho-cresolate.  
Sodium nitrate explosive mixtures.  
Sodium nitrate-potassium nitrate explosive mixture.  
Sodium picramate.  
Squibs.  
Styphnic acid explosives.  
Tacot [tetranitro-2,3,5,6-dibenzo-1,3a,4,6a tetrazapentalene].  
TATB [triaminotrinitrobenzene].  
TATP [triacetonetriperoxide].Start Printed Page 84001  
TEGDN [triethylene glycol dinitrate].  
Tetranitrocarbazole.  
Tetrazene [tetracene, tetrazine, 1(5-tetrazolyl)-4-guanyl tetrazene hydrate].  
Tetrazole explosives.  
Tetryl [2,4,6 tetranitro-N-methylaniline].  
Tetrytol.  
Thickened inorganic oxidizer salt slurried explosive mixture.  
TMETN [trimethylolethane trinitrate].  
TNEF [trinitroethyl formal].  
TNEOC [trinitroethylorthocarbonate].  
TNEOF [trinitroethylorthoformate].  
TNT [trinitrotoluene, trotyl, trilit, triton].

Torpex.  
Tridite.  
Trimethylol ethyl methane trinitrate composition.  
Trimethylolthane trinitrate-nitrocellulose.  
Trimonite.  
Trinitroanisole.  
Trinitrobenzene.  
Trinitrobenzenesulfonic acid [picryl sulfonic acid].  
Trinitrobenzoic acid.  
Trinitrocresol.  
Trinitrofluorenone.  
Trinitro-meta-cresol.  
Trinitronaphthalene.  
Trinitrophenetol.  
Trinitrophenol.  
Trinitrophenetol.  
Trinitrophenetol.  
Trinitroresorcinol.  
Tritonal.  
Urea nitrate.  
Water-bearing explosives having salts of oxidizing acids and nitrogen bases, sulfates, or sulfamates (cap sensitive).  
Water-in-oil emulsion explosive compositions.  
Xanthomonas hydrophilic colloid explosive mixture.

**DOT Listed Explosives****DOT Class 1.1 Explosives**

Substances, explosive, n.o.s. - 1.1A  
 Components, explosive train, n.o.s. - 1.1B  
 Detonator assemblies, non-electric for blasting - 1.1B  
 Detonators, electric, for blasting - 1.1B  
 Detonators, non-electric, for blasting - 1.1B  
 Primers, cap type - 1.1B  
 Articles, explosive, n.o.s. - 1.1C  
 Cartridges for weapons, blank - 1.1C  
 Charges, propelling - 1.1C  
 Charges, propelling, for cannon - 1.1C  
 Powder cake, wetted or Powder paste, wetted with not less than 17 percent alcohol by mass - 1.1C  
 Propellant, liquid - 1.1C  
 Propellant, solid - 1.1C  
 Rocket motors - 1.1C  
 Substances, explosive, n.o.s. - 1.1C  
 1H-Tetrazole - 1.1D  
 5-Nitrobenzotriazol - 1.1D  
 Ammonium perchlorate - 1.1D  
 Ammonium picrate, dry or wetted with less than 10 percent water, by mass - 1.1D  
 Articles, explosive, n.o.s. - 1.1D  
 Black powder or Gunpowder, granular or as a meal - 1.1D  
 Black powder, compressed or Gunpowder, compressed or Black powder, in pellets or Gunpowder, in pellets - 1.1D  
 Bombs, photo-flash - 1.1D  
 Bombs, with bursting charge - 1.1D  
 Boosters, without detonator - 1.1D  
 Bursting, explosive - 1.1D  
 Charges, bursting, plastics bonded - 1.1D  
 Charges, demolition - 1.1D  
 Charges, explosive, commercial without detonator - 1.1D  
 Charges, shaped, flexible, linear - 1.1D  
 Cord, detonating or Fuse, detonating metal clad - 1.1D  
 Cyclotetramethylenetetranitramine, desensitized or Octogen, desensitized or HMX, desensitized - 1.1D  
 Cyclotrimethylenetrinitramine, desensitized or Cyclonite, desensitized or Hexogen, desensitized or RDX, desensitized - 1.1D  
 Dinitroglycoluril or Dingu - 1.1D  
 Dipicryl sulfide, dry or wetted with less than 10 percent water, by mass - 1.1D  
 Fuzes, detonating, with protective features - 1.1D  
 Grenades, hand or rifle, with bursting charge - 1.1D  
 Hexanitrostilbene - 1.1D  
 Hexotonal - 1.1D  
 Jet perforating guns, charged oil well, with detonator - 1.1D

Nitrocellulose, dry or wetted with less than 25 percent water (or alcohol) , by mass - 1.1D  
 Nitrocellulose, unmodified or plasticized with less than 18 percent plasticizing substance, by mass - 1.1D  
 Nitroguanidine or Picrite, dry or wetted with less than 20 percent water, by mass - 1.1D  
 Nitrotriazolone or NTO - 1.1D  
 Octolite or Octol, dry or wetted with less than 15 percent water, by mass - 1.1D  
 Octonal - 1.1D  
 Pentaerythrite tetranitrate or Pentaerythritol tetranitrate or PETN, with not less than 7 percent wax by mass - 1.1D  
 RDX and HMX mixtures, wetted with not less than 15 percent water by mass or RDX and HMX mixtures, desensitized with not less than 10 percent phlegmatizer by mass - 1.1D  
 Sounding devices, explosive - 1.1D  
 Substances, explosive, n.o.s. - 1.1D  
 Torpedoes with bursting charge - 1.1D  
 Trinitrobenzenesulfonic acid - 1.1D  
 Trinitrofluorenone - 1.1D  
 Trinitroresorcinol, wetted or Styphnic acid, wetted with not less than 20 percent water, or mixture of alcohol and water by mass - 1.1D  
 Trinitrotoluene and Trinitrobenzene mixtures or TNT and trinitrobenzene mixtures or TNT and hexanitrostilbene mixtures or Trinitrotoluene and hexanitrostilbene mixtures - 1.1D  
 Trinitrotoluene mixtures containing Trinitrobenzene and Hexanitrostilbene or TNT mixtures containing trinitrobenzene and hexanitrostilbene - 1.1D  
 Tritonal - 1.1D  
 Warheads, rocket with bursting charge - 1.1D  
 Articles, explosive, n.o.s. -1.1E  
 Cartridges for weapons, with bursting charge - 1.1E  
 Torpedoes with bursting charge - 1.1E  
 Articles, explosive, n.o.s. - 1.1F  
 Bombs, photo-flash - 1.1F  
 Bombs, with bursting charge - 1.1F  
 Cartridges for weapons, with bursting charge - 1.1F  
 Grenades, hand or rifle, with bursting charge - 1.1F  
 Sounding devices, explosive - 1.1F  
 Torpedoes with bursting charge - 1.1F  
 Warheads, rocket with bursting charge - 1.1F  
 Articles, pyrotechnic for technical purposes - 1.1G  
 Cartridges, flash - 1.1G  
 Fireworks - 1.1G  
 Flares, aerial - 1.1G  
 Flares, surface - 1.1G  
 Substances, explosive, n.o.s. - 1.1G  
 Bombs with flammable liquid, with bursting charge - 1.1J  
 Rockets, liquid fueled with bursting charge - 1.1J  
 Torpedoes, liquid fueled, with or without bursting charge - 1.1J  
 Articles, explosive, n.o.s. - 1.1L  
 Substances, explosive, n.o.s. - 1.1L



**DOT Class 1.2 Explosives**

Boosters with detonator - 1.2B  
 Components, explosive train, n.o.s. - 1.2B  
 Detonators for ammunition - 1.2B  
 Articles, explosive, n.o.s. - 1.2C  
 Cartridges for weapons, blank - 1.2C  
 Cartridges for weapons, inert projectile - 1.2C  
 Cartridges, power device - 1.2C  
 Charges, propelling - 1.2C  
 Charges, propelling, for cannon - 1.2C  
 Rocket motors - 1.2C  
 Rockets, with expelling charge - 1.2C  
 Rockets, with inert head - 1.2C  
 Articles, explosive, n.o.s. - 1.2D  
 Bombs, with bursting charge - 1.2D  
 Boosters, without detonator - 1.2D  
 Charges, bursting, plastics bonded - 1.2D  
 Charges, explosive, commercial without detonator - 1.2D  
 Charges, shaped, without detonator - 1.2D  
 Fuzes, detonating, with protective features - 1.2D  
 Grenades, hand or rifle, with bursting charge - 1.2D  
 Projectiles, with burster or expelling charge - 1.2D  
 Sounding devices, explosive - 1.2D  
 Warheads, rocket with bursting charge - 1.2D  
 Articles, explosive, n.o.s. - 1.2E  
 Cartridges for weapons, with bursting charge - 1.2E  
 Articles, explosive, n.o.s. - 1.2F  
 Bombs, with bursting charge - 1.2F  
 Cartridges for weapons, with bursting charge - 1.2F  
 Grenades, hand or rifle, with bursting charge - 1.2F  
 Mines with bursting charge - 1.2F  
 Projectiles, with burster or expelling charge - 1.2F  
 Projectiles, with bursting charge - 1.2F  
 Rockets, with bursting charge - 1.2F  
 Ammunition, incendiary with or without burster, expelling charge, or propelling charge - 1.2G  
 Ammunition, smoke with or without burster, expelling charge or propelling charge - 1.2G  
 Ammunition, tear-producing with burster, expelling charge or propelling charge - 1.2G  
 Articles, pyrotechnic for technical purposes - 1.2G  
 Bombs, photo-flash - 1.2G  
 Fireworks - 1.2G  
 Flares, aerial - 1.2G  
 Flares, surface - 1.2G  
 Grenades, practice, Hand or rifle - 1.2G  
 Igniters - 1.2G  
 Projectiles, with burster or expelling charge - 1.2G  
 Signals, smoke - 1.2G

Ammunition smoke, white phosphorus with burster, expelling charge, or propelling charge - 1.2H  
 Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge - 1.2H  
 Bombs with flammable liquid, with bursting charge - 1.2J  
 Rocket motors, liquid fueled - 1.2J  
 Rockets, liquid fueled with bursting charge - 1.2J  
 Ammunition, toxic with burster, expelling charge, or propelling charge - 1.2K  
 Articles, explosive, n.o.s. - 1.2L  
 Articles, pyrophoric - 1.2L  
 Contrivances, water-activated, with burster, expelling charge or propelling charge - 1.2L  
 Rocket motors with hypergolic liquids with or without an expelling charge - 1.2L  
 Substances, explosive, n.o.s. - 1.2L

### **DOT Class 1.3 Explosives**

1-Hydroxybenzotriazole, anhydrous, dry or wetted with less than 20 percent water, by mass - 1.3C  
 Articles, explosive, n.o.s. - 1.3C  
 Cartridges for weapons, blank or Cartridges, small arms, blank - 1.3C  
 Cartridges for weapons, inert projectile or Cartridges, small arms - 1.3C  
 Cartridges, oil well - 1.3C  
 Cartridges, power device - 1.3C  
 Cases, combustible, empty, without primer - 1.3C  
 Charges, propelling - 1.3C  
 Charges, propelling, for cannon - 1.3C  
 Dinitrosobenzene - 1.3C  
 Nitrocellulose, plasticized with not less than 18 percent plasticizing substance, by mass - 1.3C  
 Nitrocellulose, wetted with not less than 25 percent alcohol, by mass - 1.3C  
 Propellant, liquid - 1.3C  
 Propellant, solid - 1.3C  
 Rockets, with expelling charge - 1.3C  
 Substances, explosive, n.o.s. - 1.3C  
 Ammunition, illuminating with or without burster, expelling charge or propelling charge - 1.3G  
 Ammunition, incendiary with or without burster, expelling charge, or propelling charge - 1.3G  
 Ammunition, practice - 1.3G  
 Ammunition, smoke with or without burster, expelling charge or propelling charge - 1.3G  
 Ammunition, tear-producing with burster, expelling charge or propelling charge - 1.3G  
 Articles, pyrotechnic for technical purposes - 1.3G  
 Bombs, photo-flash - 1.3G  
 Cartridges, flash - 1.3G  
 Fireworks - 1.3G  
 Flash powder - 1.3G  
 Fuzes, igniting - 1.3G  
 Grenades, practice, Hand or rifle - 1.3G  
 Igniters - 1.3G  
 Primers, tubular - 1.3G

Projectiles, inert, with tracer - 1.3G  
 Signals, railway track, explosive - 1.3G  
 Signals, smoke - 1.3G  
 Substances, explosive, n.o.s. - 1.3G  
 Ammunition, incendiary, white phosphorus, with burster, expelling charge or propelling charge - 1.3H  
 Ammunition, smoke, white phosphorus with burster, expelling charge, or propelling charge - 1.3H  
 Ammunition, incendiary liquid or gel, with burster, expelling charge or propelling charge - 1.3J  
 Rocket motors, liquid fueled - 1.3J  
 Torpedoes, liquid fueled, with inert head - 1.3J  
 Ammunition, toxic with burster, expelling charge, or propelling charge - 1.3K  
 Articles, explosive, n.o.s. - 1.3L  
 Contrivances, water-activated, with burster, expelling charge or propelling charge - 1.3L  
 Rocket motors with hypergolic liquids with or without an expelling charge - 1.3L  
 Substances, explosive, n.o.s. - 1.3L

#### **DOT Class 1.4 Explosives**

Articles, explosive, n.o.s. - 1.4B  
 Components, explosive train, n.o.s. - 1.4B  
 Detonator assemblies, non-electric, for blasting - 1.4B  
 Detonators for ammunition - 1.4B  
 Detonators, electric, for blasting - 1.4B  
 Detonators, non-electric, for blasting - 1.4B  
 Fuzes, detonating - 1.4B  
 Primers, cap type - 1.4B  
 5-Mercaptotetrazol-1-acetic acid - 1.4C  
 Articles, explosive, n.o.s. - 1.4C  
 Cartridges for weapons, blank or Cartridges, small arms, blank - 1.4C  
 Cartridges for weapons, inert projectile or Cartridges, small arms - 1.4C  
 Cartridges, oil well - 1.4C  
 Cartridges, power device - 1.4C  
 Cases, cartridges, empty with primer - 1.4C  
 Cases, combustible, empty, without primer - 1.4C  
 Charges, propelling - 1.4C  
 Model rocket motor - 1.4C  
 Powder, smokeless - 1.4C  
 Propellant, solid - 1.4C  
 Rockets, with expelling charge - 1.4C  
 Substances, explosive, n.o.s. - 1.4C  
 Tetrazol-1-acetic acid - 1.4C  
 Articles, explosive, n.o.s. - 1.4D  
 Charges, bursting, plastics bonded - 1.4D  
 Charges, explosive, commercial without detonator - 1.4D  
 Charges, shaped, without detonator - 1.4D  
 Cord, detonating, flexible - 1.4D

Fuzes, detonating, with protective features - 1.4D  
 Jet perforating guns, charged oil well, with detonator - 1.4D  
 Jet perforating guns, charged, oil well, without detonator - 1.4D  
 Projectiles, with burster or expelling charge - 1.4D  
 Projectiles, with bursting charge - 1.4D  
 Substances, explosive, n.o.s. - 1.4D  
 Warheads, rocket with burster or expelling charge - 1.4D  
 Articles, explosive, n.o.s. - 1.4E  
 Cartridges for weapons, with bursting charge - 1.4E  
 Articles, explosive, n.o.s. - 1.4F  
 Cartridges for weapons, with bursting charge - 1.4F  
 Projectiles, with burster or expelling charge - 1.4F  
 Warheads, rocket with burster or expelling charge - 1.4F  
 Air bag inflators, or Air bag modules, or Seat-belt pretensioners - 1.4G  
 Ammunition, illuminating with or without burster, expelling charge or propelling charge - 1.4G  
 Ammunition, incendiary with or without burster, expelling charge or propelling charge - 1.4G  
 Ammunition, practice - 1.4G  
 Ammunition, proof - 1.4G  
 Ammunition, smoke with or without burster, expelling charge or propelling charge - 1.4G  
 Ammunition, tear-producing with burster, expelling charge or propelling charge - 1.4G  
 Articles, explosive, n.o.s. - 1.4G  
 Articles, pyrotechnic for technical purposes - 1.4G  
 Cartridges, signal - 1.4G  
 Fireworks - 1.4G  
 Flares, aerial - 1.4G  
 Fuzes, igniting - 1.4G  
 Grenades practice Hand or rifle - 1.4G  
 Igniters - 1.4G  
 Primers, tubular - 1.4G  
 Projectiles, inert, with tracer - 1.4G  
 Projectiles, with burster or expelling charge - 1.4G  
 Rockets, line-throwing - 1.4G  
 Signals, distress, ship - 1.4G  
 Signals, railway track, explosive - 1.4G  
 Substances, explosive, n.o.s. - 1.4G  
 Tracers for ammunition - 1.4G  
 Articles, explosive, n.o.s. - 1.4S  
 Articles, pyrotechnic for technical purposes - 1.4S  
 Cartridges for weapons, blank or Cartridges, small arms, blank - 1.4S  
 Cartridges for weapons, inert projectile or Cartridges, small arms - 1.4S  
 Cartridges, power device - 1.4S  
 Cartridges, signal - 1.4S  
 Charges, bursting, plastics bonded - 1.4S  
 Charges, explosive, commercial without detonator - 1.4S  
 Charges, shaped, without detonator - 1.4S  
 Components, explosive train, n.o.s. - 1.4S

Detonator, assemblies, non-electric for blasting - 1.4S  
Detonators for ammunition - 1.4S  
Detonators, electric for blasting - 1.4S  
Detonators, non-electric, for blasting - 1.4S  
Fireworks - 1.4S  
Flares, aerial - 1.4S  
Fuzes, detonating - 1.4S  
Fuzes, igniting - 1.4S  
Igniters - 1.4S  
Model rocket motor - 1.4S  
Primers, cap type - 1.4S  
Primers, tubular - 1.4S  
Projectiles, inert with tracer - 1.4S  
Signal devices, hand - 1.4S  
Signals, distress, ship - 1.4S  
Signals, smoke - 1.4S  
Substances, explosive, n.o.s. - 1.4S

**DOT Class 1.5 Explosives – Blasting Agents**

Ammonium nitrate-fuel oil mixture containing only prilled ammonium nitrate and fuel oil - 1.5D  
Explosive, blasting, type B or Agent blasting, Type B - 1.5D  
Explosive, blasting, type E or Agent blasting, Type E - 1.5D  
Substances, explosive, very insensitive, n.o.s., or Substances, EVI, n.o.s. - 1.5D

**DOT Class 1.6 Explosives**

Articles, explosive, extremely insensitive or Articles, EEI - 1.6N