

DEPARTMENT OF THE TREASURY

Bureau of Alcohol, Tobacco and Firearms

[Notice No. 360]

Commerce in Explosives; List of Explosive Materials

Pursuant to the provisions of section 841(d) of Title 18, United States Code, and 27 CFR 55.23, the Director, Bureau of Alcohol, Tobacco and Firearms, must publish and revise at least annually in the **Federal Register**, a list of explosives determined to be within the coverage of 18 U.S.C. Chapter 40, Importation, Manufacture, Distribution and Storage of Explosive Materials. This chapter covers not only explosives, but also blasting agents and detonators, all of which are defined as explosive materials in section 841(c) of Title 18, United States Code. Accordingly, the following is the 1998 List of Explosive Materials subject to regulation under 18 U.S.C. Chapter 40, which includes both the list of explosives (including detonators) required to be published in the **Federal Register** and blasting agents. The list is intended to include any and all mixtures containing any of the materials on the list. Materials constituting blasting agents are marked by an asterisk. While the list is comprehensive, it is not all inclusive. The fact that an explosive material may not be on the list does not mean that it is not within the coverage of the law if it otherwise meets the statutory definitions in section 841 of Title 18, United States Code. Explosive materials are listed alphabetically by their common names followed by chemical names and synonyms in brackets. This revised list supersedes the List of Explosive Materials dated April 25, 1997, FR, Vol. 62 No. 80, and will be effective as of the date of publication in the **Federal Register**.

List of Explosive Materials

A

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).
Aromatic nitro-compound explosive mixtures.
Ammonium perchlorate explosive mixtures.

Ammonium perchlorate composite propellant.
Ammonium picrate [picrate of ammonia, Explosive D].
Ammonium salt lattice with isomorphously substituted inorganic salts.
*ANFO [ammonium nitrate-fuel oil].

B

Baratol.
Baronol.
BEAF [1, 2-bis (2, 2-difluoro-2-nitroacetoxyethane)].
Black powder.
Black powder based explosive mixtures.
*Blasting agents, nitro-carbo-nitrates, including non cap sensitive slurry and water gel explosives.
Blasting caps.
Blasting gelatin.
Blasting powder.
BTNEC [bis (trinitroethyl) carbonate].
Bulk salutes.
BTNEN [bis (trinitroethyl) nitramine].
BTTN [1,2,4 butanetriol trinitrate].
Butyl tetryl.

C

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.
Cyclotrimethylenetrinitramine [RDX].
Cyclotetramethylenetetranitramine [HMX].
Cyclonite [RDX].
Cyclotol.

D

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.
Dipicryl sulfone.
Dipicrylamine.
Display fireworks.
DNPD [dinitropentano nitrile].
DNPA [2,2-dinitropropyl acrylate].
Dynamite.

E

EDDN [ethylene diamine dinitrate].

EDNA.
Ednatol.
EDNP [ethyl 4,4-dinitropentanoate].
Erythritol tetranitrate explosives.
Esters of nitro-substituted alcohols.
EGDN [ethylene glycol dinitrate].
Ethyl-tetryl.
Explosive conitrates.
Explosive gelatins.
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 liquids.
Explosive powders.

F

Flash powder.
Fulminate of mercury.
Fulminate of silver.
Fulminating gold.
Fulminating mercury.
Fulminating platinum.
Fulminating silver.

G

Gelatinized nitrocellulose.
Gem-dinitro aliphatic explosive mixtures.
Guanyl nitrosamino guanyl tetrazene.
Guanyl nitrosamino guanylidene hydrazine.
Guncotton.

H

Heavy metal azides.
Hexanite.
Hexanitrodiphenylamine.
Hexanitrostilbene.
Hexogen (RDX).
Hexogene or octogene and a nitrated N-methylaniline.
Hexolites.
HMX [cyclo-1,3,5,7-tetramethylene 2,4,6,8-tetranitramine; Octogen].
Hydrazinium nitrate/hydrazine/aluminum explosive system.
Hydrazoic acid.

I

Igniter cord.
Igniters.
Initiating tube systems.

K

KDNBF [potassium dinitrobenzofuroxane].

L	Octol [75 percent HMX, 25 percent TNT].	Special fireworks.
Lead azide.	Organic amine nitrates.	Squibs.
Lead mannite.	Organic nitramines.	Styphnic acid explosives.
Lead mononitroresorcinate.	P	T
Lead picrate.	PBX [RDX and plasticizer].	Tacot [tetranitro-2,3,5,6-dibenzo-1,3a,4,6a tetrazapentalene].
Lead salts, explosive.	Pellet powder.	TATB [triaminotrinitrobenzene].
Lead styphnate [styphnate of lead, lead trinitroresorcinate].	Penthrinite composition.	TEGDN [triethylene glycol dinitrate].
Liquid nitrated polyol and trimethylolethane.	Pentolite.	Tetrazene [tetracene, tetrazine, 1(5-tetrazolyl)-4-guanyl tetrazene hydrate].
Liquid oxygen explosives.	Perchlorate explosive mixtures.	Tetranitrocarbazole.
M	Peroxide based explosive mixtures.	Tetryl [2,4,6 tetranitro-N-methylaniline].
Magnesium ophorite explosives.	PETN [nitropentaerythrite, pentaerythrite tetranitrate, pentaerythritol tetranitrate].	Tetrytol.
Mannitol hexanitrate.	Picramic acid and its salts.	Thickened inorganic oxidizer salt slurried explosive mixture.
MDNP [methyl 4,4-dinitropentanoate].	Picramide.	TMETN [trimethylolethane trinitrate].
MEAN [monoethanolamine nitrate].	Picrate of potassium explosive mixtures.	TNEF [trinitroethyl formal].
Mercuric fulminate.	Picratol.	TNEOC [trinitroethylorthocarbonate].
Mercury oxalate.	Picric acid (manufactured as an explosive).	TNEOF [trinitroethylorthoformate].
Mercury tartrate.	Picryl chloride.	TNT [trinitrotoluene, trotyl, trilit, triton].
Metriol trinitrate.	Picryl fluoride.	Torpex.
Minol-2 [40% TNT, 40% ammonium nitrate, 20% aluminum].	PLX [95% nitromethane, 5% ethylenediamine].	Tridite.
MMAN [monomethylamine nitrate]; methylamine nitrate.	Polynitro aliphatic compounds.	Trimethylol ethyl methane trinitrate composition.
Mononitrotoluene-nitroglycerin mixture.	Polyolpolynitrate-nitrocellulose explosive gels.	Trimethylolthane trinitrate-nitrocellulose.
Monopropellants.	Potassium chlorate and lead sulfocyanate explosive.	Trimonite.
N	Potassium nitrate explosive mixtures.	Trinitroanisole.
NIBTN [nitroisobutametriol trinitrate].	Potassium nitroaminotetrazole.	Trinitrobenzene.
Nitrate sensitized with gelled nitroparaffin.	Pyrotechnic compositions.	Trinitrobenzoic acid.
Nitrated carbohydrate explosive.	PYX [2,6-bis(picrylamino)]-3,5-dinitropyridine.	Trinitrocresol.
Nitrated glucoside explosive.	R	Trinitro-meta-cresol.
Nitrated polyhydric alcohol explosives.	RDX [cyclonite, hexogen, T4, cyclo-1,3,5,-trimethylene-2,4,6,-trinitramine; hexahydro-1,3,5-trinitro-S-triazine].	Trinitronaphthalene.
Nitrates of soda explosive mixtures.	S	Trinitrophenetol.
Nitric acid and a nitro aromatic compound explosive.	Safety fuse.	Trinitrophloroglucinol.
Nitric acid and carboxylic fuel explosive.	Salutes, (bulk).	Trinitroresorcinol.
Nitric acid explosive mixtures.	Salts of organic amino sulfonic acid explosive mixture.	Tritonal.
Nitro aromatic explosive mixtures.	Silver acetylde.	U
Nitro compounds of furane explosive mixtures.	Silver azide.	Urea nitrate.
Nitrocellulose explosive.	Silver fulminate.	W
Nitroderivative of urea explosive mixture.	Silver oxalate explosive mixtures.	Water bearing explosives having salts of oxidizing acids and nitrogen bases, sulfates, or sulfamates (cap sensitive).
Nitrogelatin explosive.	Silver styphnate.	Water-in-oil emulsion explosive compositions.
Nitrogen trichloride.	Silver tartrate explosive mixtures.	X
Nitrogen tri-iodide.	Silver tetrazene.	Xanthamona hydrophilic colloid explosive mixture.
Nitroglycerine [NG, RNG, nitro, glyceryl trinitrate, trinitroglycerine].	Slurried explosive mixtures of water, inorganic oxidizing salt, gelling agent, fuel and sensitizer (cap sensitive).	FOR FURTHER INFORMATION CONTACT: Mark Waller, Specialist, Firearms, Explosives and Arson Programs Division, Bureau of Alcohol, Tobacco and Firearms, 650 Massachusetts Avenue, NW, Washington, DC 20226 (202-927-8310).
Nitroglycide.	Smokeless powder.	Approved:
Nitroglycol (ethylene glycol dinitrate, EGDN)	Sodatol.	Dated: April 20, 1998.
Nitroguanidine explosives.	Sodium amatol.	John W. Magaw, Director.
Nitroparaffins Explosive Grade and ammonium nitrate mixtures.	Sodium azide explosive mixture.	[FR Doc. 98-11525 Filed 4-30-98; 8:45 am]
Nitronium perchlorate propellant mixtures.	Sodium dinitro-ortho-cresolate.	BILLING CODE 4810-31-P
Nitrostarch.	Sodium nitrate-potassium nitrate explosive mixture.	
Nitro-substituted carboxylic acids.	Sodium picramate.	
Nitrourea.		
O		
Octogen [HMX].		