

Appendix F. Explosives

Agents classified as a 1.1 explosive by the DOT (Title 49 CFR 172.101). Note that many of these are explosive when they contain less than a specified amount of water, i.e. when they are not “wetted”.

Chemical Name	CAS Number
Ammonium perchlorate (smaller than 45 micron size particles)	7790989
Ammonium picrate	131748
Barium azide	18810587
Cyclotetramethylenetetranitramine (HMX)	2691410
Cyclotrimethylenetrinitramine (RDX)	121844
Diazodinitrophenol	87310
Diethyleneglycol dinitrate	693210
Dinitroglycoluril	55510048
Dinitrophenol	25550587
Dinitroresorcinol	35860516
Dipicryl sulfide	2217063
Guanyl nitrosaminoguanyltetrazene	109273
Hexanitrodiphenylamine	35860312
Hexanitrostilbene	20062220
Hexolite (Hexotol)	121824
Lead Azide	13424469
Lead styphnate	15245440
Mannitol hexanitrate (nitromannite)	15825704
Mercury fulminate	628864
5Nitrobenzotriazol	2338127
Nitrocellulose	9004700
Nitroglycerin	55630
Nitroguanidine	556887
Nitrostarch	9056386
Nitrotriazolone	932649
Nitrourea	556898
Octolite	68610515
Octonal (octyl aldehyde)	124130
Pentaerythrite tetranitrate (Pentaerythritol tetranitrate)	78115
Pentolite	8066339
Tetranitroaniline	53014372
1HTetrazole	16681779
Trinitromcresol	602993
Trinitroaniline	26952421
Trinitroanisole	606359
Trinitrobenzene	99354
Trinitrobenzenesulfonic acid	2508192
Trinitrobenzoic acid	129668
Trinitrochlorobenzene (picryl chloride)	88880

Trinitrofluorenone	129793
Trinitronaphthalene	55810178
Trinitrophenetole	4732143
Trinitrophenol (picric acid)	88891
Trinitrophenylmethylnitramine (Tetryl)	479458
Trinitroresorcinol	82713
Trinitrotoluene (TNT)	118967
Tritonal	54413159
Urea nitrate	124470