

HAZARDOUS MATERIALS



PLACARD & LABEL FINDER

FROM





CLASS 2.1 - FLAMMABLE GAS

Flammable Gas – A material that is a gas at 20° C or below and 101.3 kPa of pressure (ambient temperature and pressure), i.e. the material has a boiling point of 20° C at sea level and:

- Is ignitable when in a mixture of 13 percent or less by volume with air.
- Or has a flammability range with air of at least 12% regardless of the lower limit.

Aerosols	UN 1950	Methane, refrigerated liquid (cryogenic liquid) or Natural gas, refrigerated liquid (cryogenic liquid) , with high methane content)	UN 1972
Bromotrifluoroethylene	UN 2419	Methyl acetylene	UN 1060
Butadienes	UN 1010	Methyl chloride	UN 1912
Butane	UN 1011	Methylamine, anhydrous	UN 1061
Butylene	UN 1012	Perfluoro (ethyl vinyl ether)	UN 3154
Compressed gas, flammable, n.o.s.	UN 1954	Petroleum gases, liquefied or Liquefied petroleum gas	UN 1075
Cyclobutane	UN 2601	Propadiene, stabilized	UN 2200
Cyclopropane	UN 1027	Propane	UN 1978
Deuterium	UN 1957	Propylene	UN 1077
Diborane	NA 1911	R 143A	UN 2035
Dimethyl ether	UN 1033	R 152A	UN 1030
Ethane	UN 1035	R 1132A	UN 1959
Ethyl chloride	UN 1037	R 142B	UN 2517
Ethylacetylene	UN 2452	Silane	UN 2203
Ethylamine	UN 1036	Tetrafluoroethylene, stabilized	UN 1081
Ethylene	UN 1962	Trimethylamine, anhydrous	UN 1083
Fuel cell cartridges	UN 3478 UN 3479	Vinyl bromide, stabilized	UN 1085
Hydrocarbon	UN 1964 UN 1965	Vinyl chloride, stabilized	UN 1086
Hydrogen and Methane mixtures	UN 2034	Vinyl fluoride, stabilized	UN 1860
Hydrogen, compressed	UN 1049	Vinyl methyl ether, stabilized	UN 1087
Hydrogen, refrigerated liquid (cryogenic liquid)	UN 1966		
Insecticide gases, flammable, n.o.s.	UN 3354		
Isobutane	UN 1969		
Isobutylene	UN 1055		
Lighters containing flammable gas	UN 1057		
Liquefied gas	UN 3161		
Methane, compressed or Natural gas, compressed (with high methane content)	UN 1971		



CLASS 2.2 – NON-FLAMMABLE, NON-POISONOUS GAS

Non-Flammable/Non-Poisonous Compressed Gas – A material or mixture that exerts in the packaging an absolute pressure of 280 kPa (40.6 psi) or greater at 20° C and does not meet the definition of Division 2.1 or 2.3. This includes compressed gas, liquefied gas, pressurized cryogenic gas, compressed gas in solution, asphyxiant gas and oxidizing gas.

Aerosols	UN 1950	Fire extinguishers containing compressed or liquefied gas	UN 1044
Nitrogen, refrigerated liquid cryogenic liquid	UN 1977	Gas, refrigerated liquid, n.o.s. (cryogenic liquid)	UN 3158
Nitrous oxide, refrigerated liquid	UN 2201	Gas, refrigerated liquid, oxidizing, n.o.s. (cryogenic liquid)	UN 3311
Air, compressed	UN 1002	Helium, compressed	UN 1046
		Helium, refrigerated liquid (cryogenic liquid)	UN 1963
Air, refrigerated liquid, (cryogenic liquid)	UN 1003	Insecticide gases, n.o.s.	UN 1968
Ammonia solution	UN 3318 UN 2073	Krypton, compressed	UN 1056
Ammonia, anhydrous	UN 1005	Liquefied gas, n.o.s.	UN 3163
Argon, compressed	UN 1006	Neon, compressed	UN 1065
Argon, refrigerated liquid (cryogenic liquid)	UN 1951	Nitrogen trifluoride	UN 2451
Articles, pressurized pneumatic or hydraulic containing non-flammable gas	UN 3164	Nitrogen, compressed	UN 1066
Carbon dioxide	UN 1013	Nitrous oxide	UN 1070
Carbon dioxide, refrigerated liquid	UN 2187	Nitrogen, refrigerated liquid cryogenic liquid	UN 1070
Compressed gas, n.o.s.	UN 1956	Oxygen, compressed	UN 1072
Ethylene oxide and chlorotetrafluoroethane mixture with not more than 8.8 percent ethylene oxide	UN 3297	Receptacles, small, containing gas or gas cartridges (non-flammable)	UN 2037
Ethylene oxide and dichlorodifluoromethane mixture, with not more than 12.5 percent ethylene oxide	UN 3070	Refrigerant gases, N.O.S.	UN 1078
Ethylene oxide and pentafluoroethane mixture with not more than 7.9 percent ethylene oxide	UN 3298	Sulfur hexafluoride	UN 1080
Ethylene oxide and tetrafluoroethane mixture with not more than 5.6 percent ethylene oxide	UN 3299	Xenon, compressed	UN 2036
Fertilizer ammoniating solution <i>with free ammonia</i>	UN 1043	Xenon, refrigerated liquid (cryogenic liquids)	UN 2951



CLASS 2.3 – POISON GAS

Division 2.3 – Gas Poisonous by Inhalation – A material that is a gas at 20° C or below and 101.3 kPa of pressure (ambient temperature and pressure), i.e. the material has a boiling point of 20° C at sea level and:

- Is known to be so toxic to humans as to pose a hazard during transportation
- Or in the absence of adequate data on human toxicity, is presumed to be toxic to humans because when tested on laboratory animals it has an LC₅₀ value of ≤ 5,000 ml/m₃

Ammonia solution	UN 3318	Hydrogen chloride, refrigerated liquid	UN 2186
Ammonia, anhydrous	UN 1005	Hydrogen iodide, anhydrous	UN 2197
Arsine	UN 2188	Hydrogen sulfide	UN 1053
Boron trichloride	UN 1741 UN 1008	Insecticide gases, toxic, flammable, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3355
Bromine chloride	UN 2901	Insecticide gases, toxic, n.o.s.	UN 1967
Carbon monoxide, compressed	UN 1016	Liquefied gas, toxic, corrosive, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3308
Carbon monoxide, refrigerated liquid	NA 9202	Liquefied gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3309
Carbonyl fluoride	UN 2417	Liquefied gas, toxic, flammable, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3160
Carbonyl sulfide	UN 2204	Liquefied gas, toxic, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3162
Chlorine	UN 1017	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3310
Chlorine pentafluoride	UN 2548	Liquefied gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3307
Chlorine trifluoride	UN 1749	Methyl bromide	UN 1062
Chloropicrin and methyl bromide mixtures	UN 1581	Methyl mercaptan	UN 1064
Coal gas, compressed	UN 1023	Methylchlorosilane	UN 2534
Compressed gas, toxic, corrosive, n.o.s. <i>Inhalation Hazard Zone A, B, C, D</i>	UN 3304	Nitric oxide and dinitrogen tetroxide mixtures	UN 1975
Compressed gas, toxic, flammable, corrosive, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3305	Nitric oxide, compressed	UN 1960
Compressed gas, toxic, flammable, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 1953	Nitrogen trioxide	UN 2421
Compressed gas, toxic, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 1955	Nitrosyl chloride	UN 1069
Compressed gas, toxic, oxidizing, corrosive, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3306	Oil gas, compressed	UN 1071
Compressed gas, toxic, oxidizing, n.o.s. Inhalation Hazard Zone A, B, C, D	UN 3303	Organic phosphate, mixed with compressed gas or Organic phosphate compound, mixed with compressed gas or Organic phosphorus compound, mixed with compressed gas	NA 1955
Cyanogen	UN 1026	Oxygen difluoride, compressed	UN 2190
Cyanogen chloride, stabilized	UN 1589	Parathion and compressed gas mixture	NA 1967
Diborane	UN 1911	Perchloryl fluoride	UN 3083
Dichlorosilane	UN 2189	Phosgene	UN 1076
Dinitrogen tetroxide	UN 1067	Phosphine	UN 2199
Ethylene oxide and carbon dioxide mixture with more than 87 percent ethylene oxide	UN 3300	Phosphorus pentafluoride	UN 2198
Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1MPa (10 bar) at 50 degrees C	UN 1040	Selenium hexafluoride	UN 2194

Ethylene oxide or Ethylene oxide with nitrogen up to a total pressure of 1MPa (10 bar) at 50 degrees C	UN 1040	Silicon tetrafluoride	UN 1859
Fluorine, compressed	UN 1045	Stibine	UN 2676
Gas identification set	NA 9035	Sulfur dioxide	UN 1079
Germane	UN 2192	Sulfur tetrafluoride	UN 2418
Hexaethyl tetraphosphate and compressed gas mixtures	UN 1612	Sulfuryl fluoride	UN 2191
Hexafluoroacetone	UN 2420	Tellurium hexafluoride	UN 2195
Hydrogen bromide, anhydrous	UN 1048	Trifluoroacetyl chloride	UN 3057
Hydrogen chloride, anhydrous	UN 1050	Trifluorochloroethylene, stabilized	UN 1082
		Tungsten hexafluoride	UN 2196



CLASS 3 – FLAMMABLE LIQUIDS

A flammable liquid (Class 3) means a liquid having a flash point of not more than 60.5°C (141°F), or any material in a liquid phase with a flash point at or above 37.8°C (100°F) that is intentionally heated and offered for Transportation or transported at or above its flash point in a bulk packaging, with the following exceptions:

- > Any liquid meeting one of the definitions specified in 49CFR 173.115.
- > Any mixture having one or more components with a flash point of 60.5°C (141°F) or higher, that make up at least 99 percent of the total volume of the mixture, if the mixture is not offered for transportation or transported at or above its flash point.
- > Any liquid with a flash point greater than 35°C (95°F) which does not sustain combustion according to ASTM 4206 or the procedure in Appendix H of this part.
- > Any liquid with a flash point greater than 35°C (95°F) and with a fire point greater than 100°C (212°F) according to ISO 2592.
- > Any liquid with a flash point greater than 35°C (95°F) which is in a water-miscible solution with a water content of more than 90 percent by mass.

1, 1-Dichloroethane	UN 2362	Fusel oil	UN 1201
1, 1-Dimethoxyethane	UN 2377	Gas oil	UN 1202
1, 2, 3, 6-Tetrahydrobenzaldehyde	UN 2498	Gasohol gasoline mixed with ethyl alcohol, with not more than 10% alcohol, Gasoline	NA 1203
1, 2, 3, 6-Tetrahydropyridine	UN 2410	Glycidaldehyde	UN 2622
1, 2-Butylene oxide, stabilized	UN 3022	Heating oil, light	UN 1202
1, 2-Di-(dimethylamino) ethane	UN 2372	Heptanes	UN 1206
1, 2-Dichloroethylene	UN 1150	Hexadienes	UN 2458
1, 2-Dichloropropane	UN 1279	Hexaldehyde	UN 1207
1, 2-Dimethoxyethane	UN 2252	Hexamethyleneimine	UN 2493
1, 2-Epoxy-3-ethoxypropane	UN 2752	Hexanes	UN 1208
1, 3, 5-Trimethylbenzene	UN 2325	Hexanols	UN 2282
1, 3-Dimethylbutylamine	UN 2379	Hydrocarbons, liquid, n.o.s.	UN 3295
1-Bromo-3-methylbutane	UN 2341	Iodomethylpropanes	UN 2391
1-Bromobutane	UN 1126	Iodopropanes	UN 2392
1-Chloropropane	UN 1278	Isobutanol or Isobutyl alcohol	UN 1212
1-Ethylpiperidine	UN 2386	Isobutyl acetate	UN 1213
1-Hexene	UN 2370	Isobutyl acrylate, stabilized	UN 2527

1-Methoxy-2-propanol	UN 3092	Isobutyl formate	UN 2393
1-Methylpiperidine	UN 2399	Isobutyl isobutyrate	UN 2528
1-Pentene (n-amylene)	UN 1108	Isobutyl isocyanate	UN 2486
2, 3-Dihydropyran	UN 2376	Isobutyl methacrylate, stabilized	UN 2283
2, 3-Dimethylbutane	UN 2457	Isobutyl propionate	UN 2394
2-Bromobutane	UN 2339	Isobutylamine	UN 1214
2-Bromoethyl ethyl ether	UN 2340	Isobutyraldehyde	UN 2045
2-Bromopentane	UN 2343	Isobutyric acid	UN 2529
2-Chloropropane	UN 2356	Isobutyronitrile	UN 2284
2-Chloropropene	UN 2456	Isobutyryl chloride	UN 2395
2-Dimethylaminoacetonitrile	UN 2378	Isocyanates, flammable, toxic, n.o.s.	UN 2478
2-Ethylbutanol	UN 2275	Isoheptenes	UN 2287
2-Ethylbutyl acetate	UN 1177	Isohexenes	UN 2288
2-Ethylbutyraldehyde	UN 1178	Isopentenes	UN 2371
2-Ethylhexylamine	UN 2276	Isoprene, stabilized	UN 1218
2-Iodobutane	UN 2390	Isopropanol or Isopropyl alcohol	UN 1219
2-Methyl-1-butene	UN 2459	Isopropenyl acetate	UN 2403
3-Methylbutan-2-one	UN 2397	Isopropenylbenzene	UN 2303
4-Methoxy-4-methylpentan-2-one	UN 2293	Isopropyl 2-chloropropionate	UN 2934
4-Methylmorpholine or n-methylmorpholine	UN 2535	Isopropylamine	UN 1221
5-Methylhexan-2-one	UN 2302	Isopropylbenzene	UN 1918
Acetal	UN 1088	Kerosene	UN 1223
Acetaldehyde	UN 1089	Ketones, liquid, n.o.s.	UN 1224
Acetaldehyde oxime	UN 2332	Lighters, non-pressurized, containing flammable liquid	NA 1057
Acetone	UN 1090	Medicine, liquid, flammable, toxic, n.o.s.	UN 3248
Acetone oils	UN 1091	Mercaptans, liquid, flammable, n.o.s.	UN 3336
Acetonitrile	UN 1648	Mercaptans, liquid, flammable, toxic, n.o.s.	UN 1228
Acetyl chloride	UN 1717	Mercury based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2778
Acetyl methyl carbinol	UN 2621	Mesityl oxide	UN 1229
Acrolein dimer, stabilized	UN 2607	Methacrylaldehyde, stabilized	UN 2396
Acrylonitrile, stabilized	UN 1093	Methacrylonitrile, stabilized	UN 3079
Adhesives, containing a flammable liquid	UN 1133	Methallyl alcohol	UN 2614
Alcoholates solution, n.o.s	UN 3274	Methanol	UN 1230
Alcoholic beverages	UN 3065	Methoxymethyl isocyanate	UN 2605
Alcohols, flammable, toxic, n.o.s.	UN 1986 UN 1987	Methyl 2-chloropropionate	UN 2933
Aldehydes, flammable, toxic, n.o.s.	UN 1988 UN 1989	Methyl acetate	UN 1231
Allyl acetate, bromide, chloride, formate, glycidyl ether, iodide	UN 2333	Methyl allyl chloride	UN 2554
Alpha-Pinene	UN 2368	Methyl formate	UN 1243
Amines, flammable, corrosive, n.o.s.	UN 2733	Methyl methacrylate monomer, stabilized	UN 1247
Amyl acetateS	UN 1104	Methyl propyl ether	UN 2612
Amylamines	UN 1106	Methyl tert-butyl ether	UN 2398
Anisole	UN 2222	Methylal	UN 1234
Arsenical pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2760	Methylamine, aqueous solution	UN 1235
Asphalt, at or above its flash point	NA 1999	Methylamyl acetate	UN 1233
Benzene	UN 1114	Methylcyclohexane	UN 2296
Benzotrifluoride	UN 2338	Methylcyclohexanols, flammable	UN 2617
Bicyclo 2, 2, 1 hepta-2, 5-diene, stabilized	UN 2251	Methylcyclohexanone	UN 2297

Bipyridilium pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2782	Methylcyclopentane	UN 2298
Bromobenzene	UN 2514	Methylpentadienes	UN 2461
Bromomethylpropanes	UN 2342	Methyltetrahydrofuran	UN 2536
Bromopropanes	UN 2344	Methyltrichlorosilane	UN 1250
Butanols	UN 1120	Methylvaleraldehyde	UN 2367
Butyl acetates, acrylates, benzenes, mercaptans, methyl ether, nitrates, propionates	UN 1123	N, N-Dimethylformamide	UN 2265
Butyl vinyl ether, stabilized	UN 2352	n-Amyl methyl ketone	UN 1110
Butyraldehyde	UN 1192	n-Butyl formate	UN 1128
Butyraldoxime	UN 2840	n-Butyl methacrylate, stabilized	UN 2227
Butyronitrile	UN 2411	n-Butylamine	UN 1125
Butyryl chloride	UN 2353	n-Decane	UN 2247
Camphor oil	UN 1130	n-Heptaldehyde	UN 3056
Carbamate pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2758	n-Heptene	UN 2278
Carbon disulfide	UN 1131	N-Methylbutylamine	UN 2945
Chlorobenzene	UN 1134	n-Propanol	UN 1274
Chlorobenzotrifluorides	UN 2234	n-Propyl acetate	UN 1276
Chlorobutanes	UN 1127	Nitriles, flammable, toxic, n.o.s.	UN 3273
Chloromethyl ethyl ether	UN 2354	Nitrocellulose, solution, flammable with not more than 12.6 percent nitrogen, by mass, and not more than 55 percent nitrocellulose	UN 2059
Chloroprene, stabilized	UN 1991	Nitroethane	UN 2842
Chlorosilanes, flammable, corrosive, n.o.s.	UN 2985	Nitroglycerin mixture, desensitized, liquid, flammable, n.o.s. with not more than 30 percent nitroglycerin, by mass	UN 3343
Chlorotoluenes	UN 2238	Nitroglycerin solution in alcohol	UN 1204
Coal tar distillates, flammable	UN 1136	Nitromethane	UN 1261
Coating solution (includes surface treatments or coatings used for industrial or other purposes such as vehicle undercoating, drum or barrel lining)	UN 1139	Nitropropanes	UN 2608
Compounds, cleaning liquid	NA 1993	Nonanes	UN 1920
Compounds, tree killing, liquid or Compounds, weed killing, liquid	NA 1993	Octadiene	UN 2309
Copper based pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2776	Octanes	UN 1262
Coumarin derivative pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 3024	Octyl aldehydes	UN 1191
Crotonylene	UN 1144	Organochlorine pesticides liquid, flammable, toxic	UN 2762
Cycloheptane	UN 2241	Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base	UN 1263
Cycloheptatriene	UN 2603	Paint related material	UN 1263
Cycloheptene	UN 2242	Paraldehyde	UN 1264
Cyclohexane	UN 1145	Pentamethylheptane	UN 2286
Cyclohexanone	UN 1915	Pentane-2, 4-dione	UN 2310
Cyclohexene	UN 2256	Pentanes	UN 1265
Cyclohexyl acetate	UN 2243	Pentanol	UN 1105
Cyclohexyl mercaptan	UN 3054	Perfumery products with flammable solvents	UN 1266
Cyclooctadienes	UN 2520	Pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2031
Cyclooctatetraene	UN 2358	Petroleum crude oil	UN 1267

Cyclopentane	UN 1146	Petroleum distillates, n.o.s. or Petroleum products, n.o.s.	UN 1268
Cyclopentanol	UN 2244	Petroleum oil	NA 1270
Cyclopentanone	UN 2245	Phenoxyacetic acid derivative pesticide, liquid, flammable, toxic flash point less than 23 degrees C.	UN 3346
Cyclopentene	UN 2246	Picolines	UN 2313
Cymenes	UN 2046	Pine oil	UN 1272
Decahydronaphthalene	UN 1147	Polyester resin kit	UN 3269
Denatured alcohol	NA 1987	Printing ink, flammable or Printing ink related material	UN 1210
Desensitized explosives, liquid, n.o.s.	UN 3379	Propanethiols	UN 2402
Di-n-amylamine	UN 2841	Propionaldehyde	UN 1275
Di-n-propyl ether	UN 2384	Propionitrile	UN 2404
Diacetone alcohol	UN 1148	Propionyl chloride	UN 1815
Diallylamine	UN 2359	Propyl formates	UN 1281
Diallylether	UN 2360	Propylamine	UN 1277
Dibutyl ethers	UN 1149	Propylene oxide	UN 1280
Dichloropentanes	UN 1152	Propylene tetramer	UN 2850
Dichloropropenes	UN 2047	Propyleneimine, stabilized	UN 1921
Dicyclopentadiene	UN 2048	Pyrethroid pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	UN 3350
Diesel fuel	UN 1202 NA 1993	Pyridine	UN 1282
Diethoxymethane	UN 2373	Pyrrolidine	UN 1922
Diethyl carbonate	UN 2366	Resin solution, flammable	UN 1866
Diethyl ether or Ethyl ether	UN 1155	Rosin oil	UN 1286
Diethyl ketone	UN 1156	Rubber solution	UN 1287
Diethylamine	UN 1154	Shale oil	UN 1288
Diethylbenzene	UN 2049	Sodium methylate solutions in alcohol	UN 1289
Diisobutyl ketone	UN 1157	Styrene monomer, stabilized	UN 2055
Diisobutylamine	UN 2361	Substituted nitrophenol pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2780
Diisobutylene, isomeric compounds	UN 2050	Tars, liquid including road asphalt and oils, bitumen and cut backs	UN 1999
Diisopropyl ether	UN 1159	Terpene hydrocarbons, n.o.s.	UN 2319
Diisopropylamine	UN 1158	Terpinolene	UN 2541
Dimethyl carbonate	UN 1161	Tetraethyl silicate	UN 1292
Dimethyl-N-propylamine	UN 2266	Tetrahydrofuran	UN 2056
Dimethylamine solution	UN 1160	Tetrahydrofurfurylamine	UN 2943
Dimethylcyclohexanes	UN 2263	Tetrahydrothiophene	UN 2412
Dimethyldichlorosilane	UN 1162	Tetramethylsilane	UN 2749
Dimethyldioxanes	UN 2707	Tetrapropylorthotitanate	UN 2413
Dioxane	UN 1165	Thioacetic acid	UN 2436
Dioxolane	UN 1166	Thiocarbamate pesticide, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2772
Dipropyl ketone	UN 2710	Thiophene	UN 2414
Dipropylamine	UN 2383	Tinctures, medicinal	UN 1293
Divinyl ether, stabilized	UN 1167	Toluene	UN 1294
Elevated temperature liquid, flammable, n.o.s	UN 3256	Triallylamine	UN 2610
Esters, n.o.s.	UN 3272	Triazine pesticides, liquid, flammable, toxic, flash point less than 23 degrees C	UN 2764
Ethanol and gasoline mixture	UN 3475	Triethyl phosphite	UN 2323

Ethanol	UN 1170	Triethylamine	UN 1296
Ethers, n.o.s.	UN 3271	Triisobutylene	UN 2324
Ethyl 2-chloropropionate	UN 2935	Triisopropyl borate	UN 2616
Ethyl acetate	UN 1173	Trimethyl borate	UN 2416
Ethyl acrylate, stabilized	UN 1917	Trimethyl phosphite	UN 2329
Ethyl amyl ketone	UN 2271	Trimethylamine, aqueous solutions with not more than 50 percent trimethylamine by mass	UN 1297
Ethylamine	UN 2270	Trimethylchlorosilane	UN 1298
Ethylbenzene	UN 1175	Tripopylamine	UN 2260
Ethylene dichloride	UN 1184	Tripopylene	UN 2057
Ethylene glycol diethyl ether	UN 1153	Turpentine	UN 1299
Ethyltrichlorosilane	UN 1196	Turpentine substitute	UN 1300
Extracts, aromatic, liquid	UN 1169	Undecane	UN 2330
Flammable liquid, toxic, corrosive, n.o.s.	UN 3286	Valeraldehyde	UN 2058
Flammable liquids, n.o.s.	UN 1993	Vinyl acetate, stabilized	UN 1301
Flammable liquids, toxic, n.o.s.	UN 1992	Vinyl butyrate, stabilized	UN 2838
Fluorobenzene	UN 2387	Vinyl ethyl ether, stabilized	UN 1302
Fluorotoluenes	UN 2388	Vinyl isobutyl ether, stabilized	UN 1304
Formaldehyde, solutions, flammable	UN 1198	Vinylidene chloride, stabilized	UN 1303
Fuel cell cartridges	UN 3473	Vinyltoluenes, stabilized	UN 2618
Fuel oil (No. 1, 2, 4, 5, or 6)	NA 1993	Vinyltrichlorosilane, stabilized	UN 1305
Fuel, aviation, turbine engine	UN 1863	Wood preservatives, liquid	UN 1306
Furan	UN 2389	Xylenes	UN 1307
Furfurylamine	UN 2526	Zirconium suspended in a liquid	UN 1308



CLASS 4.1 – FLAMMABLE SOLID

Desensitized explosives that when dry are Explosives of Class 1 other than those of compatibility group A, which are wetted with sufficient water, alcohol, or plasticizer to suppress explosive properties; and are specifically authorized by name either in the 49CFR 172.101 Table or have been assigned a shipping name and hazard class by the Associate Administrator for Hazardous Materials Safety under the provisions of-

- An exemption issued under subchapter A of this chapter; or
- An approval issued under 49CFR 173.56(i) of this part.

1-Hydroxybenzotriazole, anhydrous, wetted <i>with not less than 20 percent water, by mass</i>	UN 3474	Metal powders, flammable, n.o.s.	UN 3089
2-Amino-4, 6-Dinitrophenol, wetted with not less than 20 percent water by mass	UN 3317	Metal salts of organic compounds, flammable, n.o.s.	UN 3181
2-Bromo-2-nitropropane-1, 3-diol	UN 3241	Metaldehyde	UN 1332
4-Nitrophenylhydrazine, with not less than 30% water, by mass	UN 3376	Naphthalene, crude	UN 1334
5-tert-Butyl-2, 4, 6-trinitro-m-xylene or Musk xylene	UN 2956	Nitrocellulose membrane filters	UN 3270

Aluminum powder, coated	UN 1309	Nitrocellulose with alcohol with not less than 25 percent alcohol by mass, and with not more than 12.6 percent nitrogen, by dry mass	UN 2556
Aluminum resinate	UN 2715	Nitrocellulose with water	UN 2555
Ammonium picrate, wetted with not less than 10 percent water, by mass	UN 1310	Nitrocellulose, with not more than 12.6 percent nitrogen, by dry mass mixture with or without plasticizer, with or without pigment	UN 2557
Azodicarbonamide	UN 3242	Nitroglycerin mixture , desensitized, solid, n.o.s.	UN 3319
Barium azide, wetted with not less than 50 percent water, by mass	UN 1571	Nitroguanidine	UN 1336
Black powder for small arms	NA 0027	Nitronaphthalene	UN 2538
Borneol	UN 1312	Nitrostarch	UN 1337
Calcium resinate	UN 1313	Paraformaldehyde	UN 2213
Camphor, synthetic	UN 1314	Pentaerythrite tetranitrate mixture, desensitized, solid, n.o.s	UN 3344
Celluloid , in block, rods, rolls, sheets, tubes, etc., except scrap	UN 2000	Phosphorus heptasulfide	UN 1339
Cerium, slabs, ingots, or rods	UN 1333	Phosphorus sesquisulfide	UN 1341
Cobalt naphthenates, powder	UN 2001	Phosphorus trisulfide	UN 1343
Decaborane	UN 1868	Phosphorus, amorphous	UN 1338
Desensitized explosives, solid, n.o.s.	UN 3380	Rubber scrap or Rubber shoddy	UN 1345
Dicyclohexylammonium nitrite	UN 2687	Self-reactive liquid type B, C, D, E, F	UN 3221 UN 3223 UN 3225 UN 3235 UN 3227 UN 3237
Dinitrophenol, wetted with not less than 15 percent water, by mass	UN 1320	Self-reactive solid type B, C, D, E, F	UN 3222 UN 3232 UN 3224 UN 3234 UN 3236 UN 3228 UN 3230 UN 3240
Dinitrophenolates, wetted with not less than 15 percent water, by mass	UN 1321	Silicon powder, amorphous	UN 1346
Ferrocium	UN 1323	Silver picrate	UN 1347
Fibers or Fabrics impregnated with weakly nitrated nitrocellulose, n.o.s.	UN 1353	Smokeless powder for small arms (100 pounds or less)	NA 3178
Fibers, vegetable, dry	UN 3360	Sodium dinitro-o-cresolate	UN 1348
Films, nitrocellulose base, gelatine coated	UN 1324	Sodium picramate	UN 1349
Firelighters, solid with flammable liquid	UN 2623	Solids containing flammable liquid, n.o.s.	UN 3175
Flammable solid, corrosive, inorganic, n.o.s.	UN 3180	Sulfur	UN 1350
Flammable solid, inorganic, toxic, n.o.s.	UN 3178	Sulfur, molten	UN 2448
Fusee	NA 1325	Titanium hydride	UN 1871
Hafnium powder	UN 1326	Titanium powder	UN 1352
Hexamethylenetetramine	UN 1328	Titanium sponge granules	UN 2878
Isosorbide dinitrate mixture	UN 2907	Trinitrobenzene	UN 1354
Isosorbide-5-mononitrate	UN 3251	Trinitrobenzoic acid	UN 1355
Lead phosphite, dibasic	UN 2989	Trinitrochlorobenzene	UN 3365
Magnesium	UN 1869	Trinitrophenol (picric acid)	UN 3364
Manganese resinate	UN 1330	Trinitrotoluene (TNT) , wetted, with not less than 10% water by mass.	UN 3366

Matches, fusee	UN 2254	Urea nitrate	UN 1357
Matches, safety (book, card or strike on box)	UN 1944	Zinc resinate	UN 2714
Matches, strike anywhere	UN 1331	Zirconium hydride	UN 1437
Matches, wax, Vesta	UN 1945	Zirconium picramate	UN 1517
Metal hydrides, flammable, n.o.s.	UN 3182	Zirconium powder	UN 1358
		Zirconium, dry, coiled wire, finished metal sheets, strip (thinner than 254 microns but not thinner than 18 microns)	UN 2858



CLASS 4.2 – SPONTANEOUSLY COMBUSTIBLE

A pyrophoric material. A pyrophoric material is a liquid or solid that, even in small quantities and without an external ignition source, can ignite within five (5) minutes after coming in contact with air when tested according to the UN Manual of Tests and Criteria. A self-heating material. A self-heating material is a material that, when in contact with air and without an energy supply, is liable to self-heat. A material of this type which exhibits spontaneous ignition or if the temperature of the sample exceeds 200 °C (392 °F) during the 24-hour test period when tested in accordance with paragraph 3.b.(1) of appendix E to this part, is classed as a Division 4.2 material.

9-Phosphabicyclononanes	UN 2940	Phosphorus white, molten	UN 2447
Alkali metal alcoholates, self-heating, corrosive, n.o.s.	UN 3206	Plastics, nitrocellulose-based, self-heating, n.o.s.	UN 2006
Alkaline earth metal alcoholates, n.o.s.	UN 3205	Potassium sulfide	UN 1382
Aluminum borohydride	UN 2870	Pyrophoric liquid, inorganic, n.o.s.	UN 3194
Barium alloys, pyrophoric	UN 1854	Pyrophoric metals, n.o.s.	UN 1383
Calcium dithionite	UN 1923	Pyrophoric solid, inorganic, n.o.s.	UN 3200
Calcium, pyrophoric	UN 1855	Rags, oily	UN 1856
Carbon, activated	UN 1362	Seed cake with more than 1.5 percent oil and not more than 11 percent moisture	UN 1386
Carbon, animal or vegetable origin	UN 1361	Seed cake, containing vegetable oil solvent extractions and expelled seeds, with not more than 10 percent of oil and when the amount of moisture is higher than 11 percent, with not more than 20 percent of oil and moisture combined	UN 1386
Celluloid, scrap	UN 2002	Self-heating liquid, corrosive, inorganic, n.o.s.	UN 3188
Charcoal briquettes, shell, screenings, wood, etc.	NA 1361	Self-heating liquid, corrosive, organic, n.o.s.	UN 3185
Copra	UN 1363	Self-heating liquid, inorganic, n.o.s.	UN 3186
Cotton waste, oily	UN 1364	Self-heating liquid, organic, toxic, n.o.s.	UN 3187
Cotton, wet	UN 1365	Sodium dithionite or Sodium hydrosulfite	UN 1384
Ferrous metal borings	UN 2793	Sodium hydrosulfide, with less than 25 percent water of crystallization	UN 2318
Fibers or Fabrics, animal or vegetable or Synthetic, n.o.s. with animal or vegetable oil	UN 1373	Sodium methylate	UN 1431
Fibers, animal or Fibers, vegetable burnt, wet or damp.	UN 1372	Sodium sulfide, anhydrous	UN 1385
Fish meal, unstabilized	UN 1374	tert-Butyl hypochlorite	UN 3255

Hafnium powder, dry	UN 2545	Textile waste, wet	UN 1857
Iron oxide, spent	UN 1376	Thiourea dioxide	UN 3341
Magnesium diamide	UN 2004	Titanium disulphide	UN 3174
Maneb or Maneb preparations	UN 2210	Titanium powder, dry	UN 2546
Metal catalyst, dry	UN 2881	Titanium trichloride, pyrophoric	UN 2441
Metal catalyst, wetted with a visible excess of liquid	UN 1378	Tributylphosphane	UN 3254
Metal powder, self-heating, n.o.s.	UN 3189	Wool waste, wet	UN 1387
Organic pigments, self-heating	UN 3313	Xanthates	UN 3342
Organometallic substance, liquid, pyrophoric, water-reactive	UN 3392	Zirconium powder, dry	UN 2008
p-Nitrosodimethylaniline	UN 1369	Zirconium scrap	UN 1932
Paper, unsaturated oil treated incompletely dried (including carbon paper)	UN 1379	Zirconium, dry, finished sheets, strip or coiled wire	UN 2009
Pentaborane	UN 1380		



CLASS 4.3 – DANGEROUS WHEN WET

Dangerous when wet material (Division 4.3) means a material that, by contact with water, is liable to become spontaneously flammable or to give off flammable or toxic gas at a rate greater than 1 liter per kilogram of the material, per hour, when tested in accordance with UN [United Nations] Manual of Tests and Criteria.

Alkali metal alloys, liquid, n.o.s.	UN 1421	Magnesium aluminum phosphide	UN 1419
Alkali metal amalgam, liquid & solid	UN 1389	Magnesium granules, coated, particle size not less than 149 microns	UN 2950
Alkali metal amides	UN 1390	Magnesium hydride & phosphide & silicide	UN 2010 UN 2011
Alkali metal dispersions	UN 1391	Magnesium, powder or Magnesium alloys, powder	UN 1418
Alkaline earth metal alloys, n.o.s.	UN 1393	Maneb stabilized or Maneb preparations, stabilized against self-heating	UN 2968
Aluminum carbide	UN 1394	Metal hydrides, water reactive, n.o.s.	UN 1409
Aluminum ferrosilicon powder	UN 1395	Metallic substance, water-reactive, n.o.s.	UN 3208
Aluminum hydride	UN 2463	Metallic substance, water-reactive, self-heating, n.o.s.	UN 3209
Aluminum phosphide	UN 1397	Methyl magnesium bromide, in ethyl ether	UN 1928
Aluminum powder, uncoated	UN 1396	Methyldichlorosilane	UN 1242
Aluminum silicon powder, uncoated	UN 1398	Organometallic substance, liquid, water-reactive	UN 3398
Aluminum smelting by-products	UN 3170	Organometallic substance, solid, water reactive, flammable, self-heating	UN 3397
Barium	UN 1400	Phosphorus pentasulfide, free from yellow or white phosphorus	UN 1340
Batteries, containing sodium	UN 3292	Potassium	UN 2257
Boron trifluoride dimethyl etherate	UN 2965	Potassium borohydride	UN 1870

Calcium	UN 1401	Potassium metal alloys, solid	UN 3403
Calcium carbide	UN 1402	Potassium phosphide	UN 2012
Calcium cyanamide with more than 0.1 percent of calcium carbide	UN 1403	Potassium sodium alloys, liquid	UN 1422
Calcium hydride	UN 1404	Rubidium	UN 1423
Calcium manganese silicon	UN 2844	Sodium	UN 1428
Calcium phosphide	UN 1360	Sodium aluminum hydride	UN 2835
Calcium silicide	UN 1405	Sodium borohydride	UN 1426
Cells, containing sodium	UN 3292	Sodium hydride	UN 1427
Cerium, turnings or gritty powder	UN 3078	Sodium phosphide	UN 1432
Cesium or Caesium	UN 1407	Strontium phosphide	UN 1433
Chlorosilanes, water-reactive, flammable, corrosive, n.o.s.	UN 2988	Trichlorosilane	UN 1295
Ethylchlorosilane	UN 1183	Water-reactive liquid, corrosive, n.o.s.	UN 3129
Ferrosilicon, with 30 percent or more but less than 90 percent silicon	UN 1408	Water-reactive liquid, n.o.s.	UN 3148
Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment containing water-reactive substances	UN 3476	Water-reactive solid, n.o.s.	UN 3131
Lithium	UN 1415	Water-reactive solid, self-heating, n.o.s.	UN 3135
Lithium aluminum hydride, ethereal	UN 1410	Water-reactive solid, toxic, n.o.s.	UN 3134
Lithium borohydride	UN 1413	Water-reactive, solid, oxidizing, n.o.s.	UN 3133
Lithium ferrosilicon	UN 2830	Zinc ashes	UN 1435
Lithium hydride, and fused solid	UN 2805	Zinc phosphide	UN 1714
Lithium nitride	UN 2806	Zinc powder or Zinc dust	UN 1436
Lithium silicon	UN 1417		



CLASS 5.1 – OXIDIZERS

Oxidizer (Division 5.1) means a material that may, generally by yielding oxygen, cause or enhance the combustion of other materials. A solid material is classed as a Division 5.1 material if, when tested in accordance with the UN Manual of Tests and Criteria, its mean burning time is less than or equal to the burning time of a 3:7 potassium bromate/cellulose mixture. A liquid material is classed as a Division 5.1 material if, when tested in accordance with the UN Manual of Tests and Criteria, it spontaneously ignites or its mean time for a pressure rise from 690 kPa to 2070 kPa gauge is less than the time of a 1:1 nitric acid (65 percent)/cellulose mixture.

Aluminum nitrate	UN 1438	Nitrates, inorganic, aqueous solution, n.o.s.	UN 3218
Ammonium dichromate		Nitrates, inorganic, n.o.s.	UN 1477
Ammonium emulsion	UN 1439	Nitrites, inorganic, aqueous solution, n.o.s.	UN 3219
Ammonium nitrate based fertilizer	UN 2067	Nitrites, inorganic, n.o.s.	UN 2627
Ammonium nitrate, liquid (hot concentrated solution)	UN 2426	Oxidizing liquid, corrosive, n.o.s.	UN 3098
Ammonium nitrate, with not more than 0.2% total combustible material, including any organic	UN 1942	Oxidizing liquid, n.o.s.	UN 3139

substance, calculated as carbon to the exclusion of any other added substance			
Ammonium perchlorate	UN 1442	Oxidizing liquid, toxic, n.o.s.	UN 3099
Ammonium persulfate	UN 1444	Oxidizing solid, corrosive, n.o.s.	UN 3085
Barium bromate	UN 2719	Oxidizing solid, flammable, n.o.s.	UN 3137
Barium chlorate solution	UN 3405	Oxidizing solid, n.o.s.	UN 1479
Barium chlorate, solid	UN 1445	Oxidizing solid, self-heating, n.o.s.	UN 3100
Barium hypochlorite with more than 22 percent available chlorine	UN 2741	Oxidizing solid, toxic, n.o.s.	UN 3087
Barium nitrate	UN 1446	Oxidizing solid, water-reactive, n.o.s.	UN 3121
Barium perchlorate, solid, or solution	UN 1447	Oxygen generator, chemical (including when contained in associated equipment, e.g., passenger service units (PSUs) , portable breathing equipment (PBE) , etc) .	UN 3356
Barium permanganate	UN 1448	Perchlorates, inorganic, aqueous solution, n.o.s.	UN 3211
Barium peroxide	UN 1449	Perchlorates, inorganic, n.o.s.	UN 1481
Beryllium nitrate	UN 2464	Perchloric acid with more than 50 percent but not more than 72 percent acid, by mass	UN 1873
Bromates, inorganic, aqueous solution, n.o.s.	UN 3213	Permanganates, inorganic, aqueous solution, n.o.s.	UN 3214
Bromates, inorganic, n.o.s.	UN 1450	Permanganates, inorganic, n.o.s.	UN 1482
Bromine pentafluoride	UN 1745	Peroxides, inorganic, n.o.s.	UN 1483
Bromine trifluoride	UN 1746	Persulfates, inorganic, aqueous solution, n.o.s.	UN 3216
Calcium chlorate	UN 1452	Persulfates, inorganic, n.o.s.	UN 3215
Calcium chlorate aqueous solution	UN 2429	Potassium bromate	UN 1484
Calcium chlorite	UN 1453	Potassium chlorate, or aqueous solution	UN 2427
Calcium hypochlorite mixtures, dry, with more than 10 percent but not more than 39 percent available chlorine	UN 2208	Potassium nitrate	UN 1486
Calcium hypochlorite, dry or Calcium hypochlorite mixtures dry with more than 39 percent available chlorine (8.8 percent available oxygen)	UN 1748	Potassium nitrate and sodium nitrite mixtures	UN 1487
Calcium nitrate	UN 1454	Potassium nitrite	UN 1488
Calcium perchlorate	UN 1455	Potassium perchlorate	UN 1489
Calcium permanganate	UN 1456	Potassium permanganate	UN 1490
Calcium peroxide	UN 1457	Potassium peroxide	UN 1491
Cesium nitrate or Caesium nitrate	UN 1451	Potassium persulfate	UN 1492
Chlorate and borate mixtures	UN 1458	Potassium superoxide	UN 2466
Chlorate and magnesium chloride mixture solution	UN 3407	Silver nitrate	UN 1493
Chlorates, inorganic, aqueous solution, n.o.s.	UN 3210	Sodium bromate	UN 1494
Chlorates, inorganic, n.o.s.	UN 1461	Sodium carbonate peroxyhydrate	UN 3378
Chloric acid aqueous solution, with not more than 10 percent chloric acid	UN 2626	Sodium chlorate	UN 1495
Chlorine dioxide, hydrate, frozen	N1 9191	Sodium chlorate, aqueous solution	UN 2428
Chlorites, inorganic, n.o.s.	UN 1462	Sodium chlorite	UN 1496
Chromium nitrate	UN 2720	Sodium nitrate	UN 1498
Chromium trioxide, anhydrous	UN 1463	Sodium nitrate and potassium nitrate mixtures	UN 1499
Copper chlorate	UN 2721	Sodium nitrite	UN 1500
Dichloroisocyanuric acid, dry or Dichloroisocyanuric acid salts	UN 2465	Sodium perborate monohydrate	UN 3377
Didymium nitrate	UN 1465	Sodium perchlorate	UN 1502
Ferric nitrate	UN 1466	Sodium permanganate	UN 1503
Guanidine nitrate	UN 1467	Sodium peroxide	UN 1504

Hydrogen peroxide and peroxyacetic acid mixtures, stabilized with acids, water and not more than 5 percent peroxyacetic acid	UN 3149	Sodium peroxoborate, anhydrous	UN 3247
Hydrogen peroxide, aqueous solutions with more than 40 percent but not more than 60 percent hydrogen peroxide (stabilized as necessary)	UN 2014	Sodium persulfate	UN 1505
Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary)	UN 2014	Sodium persulfate	UN 1505
Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary)	UN 2984	Sodium superoxide	UN 2547
Hypochlorites, inorganic, n.o.s.	UN 3212	Strontium chlorate	UN 1506
Iodine pentafluoride	UN 2495	Strontium nitrate	UN 1507
Lead dioxide	UN 1872	Strontium perchlorate	UN 1508
Lead nitrate	UN 1469	Strontium peroxide	UN 1509
Lead perchlorate, solid	UN 1470	Tetranitromethane	UN 1510
Lithium hypochlorite, dry with more than 39% available chlorine (8.8% available oxygen) or Lithium hypochlorite mixtures, dry with more than 39% available chlorine (8.8% available oxygen)	UN 1471	Thallium chlorate	UN 2573
Lithium nitrate	UN 2722	Trichloroisocyanuric acid, dry	UN 2468
Lithium peroxide	UN 1472	Urea hydrogen peroxide	UN 1511
Magnesium bromate	UN 1473	Zinc ammonium nitrite	UN 1512
Magnesium chlorate	UN 2723	Zinc bromate	UN 2469
Magnesium nitrate	UN 1474	Zinc chlorate	UN 1513
Magnesium perchlorate	UN 1475	Zinc nitrate	UN 1514
Magnesium peroxide	UN 1476	Zinc permanganate	UN 1515
Manganese nitrate	UN 2724	Zinc peroxide	UN 1516
Nickel nitrate, or nitrite	UN 2725 UN 2726	Zirconium nitrate	UN 2728



CLASS 5.2 – ORGANIC PEROXIDE

Organic peroxide (Division 5.2) means any organic compound containing oxygen (O) in the bivalent -O-O- structure and which may be considered a derivative of hydrogen peroxide, where one or more of the hydrogen atoms have been replaced by organic...

Organic peroxide type B, liquid	UN 3101	Organic peroxide type D, solid	UN 3106
Organic peroxide type B, liquid, temperature controlled	UN 3111	Organic peroxide type D, solid, temperature controlled	UN 3116
Organic peroxide type B, solid	UN 3102	Organic peroxide type E, liquid	UN 3107
Organic peroxide type B, solid, temperature controlled	UN 3112	Organic peroxide type E, liquid, temperature controlled	UN 3117

Organic peroxide type C, liquid	UN 3103	Organic peroxide type E, solid	UN 3108
Organic peroxide type C, liquid, temperature controlled	UN 3113	Organic peroxide type E, solid, temperature controlled	UN 3118
Organic peroxide type C, solid	UN 3104	Organic peroxide type F, liquid	UN 3109
Organic peroxide type C, solid, temperature controlled	UN 3114	Organic peroxide type F, liquid, temperature controlled	UN 3119
Organic peroxide type D, liquid	UN 3105	Organic peroxide type F, solid	UN 3110
Organic peroxide type D, liquid, temperature controlled	UN 3115	Organic peroxide type F, solid, temperature controlled	UN 3120



DIVISION 6.1 – POISONS

Poisonous material (Division 6.1) means a material, other than a gas, which is known to be so toxic to humans as to afford a hazard to health during transportation, or which, in the absence of adequate data on human toxicity:

Is presumed to be toxic to humans because it falls within any one of the following categories when tested on laboratory animals (whenever possible, animal test data that has been reported in the chemical literature should be used):

Oral Toxicity. A liquid with an LD₅₀ for acute oral toxicity of not more than 500 mg/kg or a solid with an LD₅₀ for acute oral toxicity of not more than 200 mg/kg.

Dermal Toxicity. A material with an LD₅₀ for acute dermal toxicity of not more than 1000 mg/kg.

Inhalation Toxicity.

A dust or mist with an LC₅₀ for acute toxicity on inhalation of not more than 10 mg/L; or

A material with a saturated vapor concentration in air at 20 °C (68 °F) of more than one-fifth of the LC₅₀ for acute toxicity on inhalation of vapors and with an LC₅₀ for acute toxicity on inhalation of vapors of not more than 5000 ml/m³; or

Is an irritating material, with properties similar to tear gas, which causes extreme irritation, especially in confined spaces.

1, 1, 1-Trichloroethane	UN 2831	Mercury ammonium chloride	UN 1630
1, 1, 2, 2-Tetrachloroethane	UN 1702	Mercury based pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	UN 3012 UN 3011
1, 1-Dichloro-1-nitroethane	UN 2650	Mercury based pesticides, solid, toxic	UN 2777
1, 2-Dibromobutan-3-one	UN 2648	Mercury benzoate, or bromides	UN 1631 UN 1634
1, 3-Dichloroacetone	UN 2649	Mercury compounds, liquid, or solid, n.o.s.	UN 2024 UN 2025
1, 3-Dichloropropanol-2	UN 2750	Mercury cyanide, or gluconate, or iodide, or nucleate, or oleate, or oxide	UN 1636 UN 1637 UN 1638 UN 1639 UN 1640 UN 1641
1, 4-Butynediol	UN 2716	Mercury oxycyanide, desensitized	UN 1642
1, 5, 9-Cyclododecatiene	UN 2518	Mercury potassium iodide	UN 1643
1-Bromo-3-chloropropane	UN 2688	Mercury salicylate, or sulfates, or thiocyanate	UN 1644 UN 1645 UN 1646
2, 2'-Dichlorodiethyl ether	UN 1916	Metal carbonyls, liquid, n.o.s.	UN 3281

2, 4-Toluylenediamine solution	UN 3418	Methanesulfonyl chloride	UN 3246
2, 4-Toluylenediamine, solid	UN 1709	Methyl bromide and ethylene dibromide mixtures, liquid	UN 1647
2-Amino-4-chlorophenol	UN 2673	Methyl bromoacetate, or chloroacetate, or chloroformate	UN 2643 UN 2295 UN 1238
2-Amino-5-diethylaminopentane	UN 2946	Methyl chloromethyl ether	UN 1239
2-Chloroethanal	UN 2232	Methyl dichloroacetate, or iodide, or isocyanate, or isothiocyanate, or orthosilicate	UN 2299 UN 2644 UN 2480 UN 2477 UN 2606
2-Chloropyridine	UN 2822	Methyl phosphonic dichloride	NA 9206
2-Dimethylaminoethyl acrylate	UN 3302	Methyl phosphonous dichloride, pyrophoric liquid	NA 2845
2-Ethylaniline	UN 2273	Methyl trichloroacetate	UN 2533
2-Ethylhexyl chloroformate	UN 2748	Methyl vinyl ketone, stabilized	UN 1251
2-Methyl-2-heptanethiol	UN 3023	Methyldichloroarsine	NA 1556
2-Trifluoromethylaniline	UN 2942	Methylhydrazine	UN 1244
3, 5-Dichloro-2, 4, 6-trifluoropyridine	NA 9264	Motor fuel anti-knock mixtures	UN 1649
3-Chloro-4-methylphenyl isocyanate, liquid	UN 2236	N, N-Diethylaniline	UN 2432
3-Chloropropanol-1	UN 2849	N, N-Dimethylaniline	UN 2253
3-Nitro-4-chlorobenzotrifluoride	UN 2307	n-Butyl chloroformate	UN 2743
3-Trifluoromethylaniline	UN 2948	n-Butyl isocyanate	UN 2485
4, 4'-Diaminodiphenyl methane	UN 2651	N-Butylaniline	UN 2738
4-Chloro-o-toluidine hydrochloride, solid	UN 1579	N-Ethyl-N-benzylaniline	UN 2274
4-Thiapentanal	UN 2785	N-Ethylaniline	UN 2272
Acetone cyanohydrin, stabilized	UN 1541	N-Ethylbenzyltoluidines liquid, or solid	UN 2753 UN 3460
Acridine	UN 2713	N-Ethyltoluidines	UN 2754
Acrolein, stabilized	UN 1092	N-Methylaniline	UN 2294
Acrylamide solution	UN 3426	N-n-Butyl imidazole	UN 2690
Adiponitrile	UN 2205	n-Propyl chloroformate, or isocyanate	UN 2740 UN 2482
Aldol	UN 2839	Naphthylthiourea	UN 1651
Alkaloids, liquid, n.o.s., or Alkaloid salts, liquid, n.o.s.	UN 3140	Naphthylurea	UN 1652
Alkaloids, solid, n.o.s. or Alkaloid salts, solid, n.o.s. poisonous	UN 1544	Nickel carbonyl, or cyanide	UN 1259 UN 1653
Allyl alcohol	UN 1098	Nicotine	UN 1654
Allyl chloroformate	UN 1722	Nicotine compounds, liquid, solids, n.o.s. or Nicotine preparations, liquid, n.o.s.	UN 3144
Allyl isothiocyanate, stabilized	UN 1545	Nicotine hydrochloride or Nicotine hydrochloride solution, or solid	UN 1656
Allylamine	UN 2334	Nicotine salicylate	UN 1657
alpha-Methylbenzyl alcohol, liquid	UN 2937	Nicotine sulfate solution	UN 1658
alpha-Naphthylamine	UN 2077	Nicotine sulfate, solid	UN 3445
Aluminum phosphide pesticides	UN 3048	Nicotine tartrate	UN 1659
Aminophenols (o-; m-; p-)	UN 2512	Nitriles, toxic, flammable, or liquid, or solid, n.o.s.	UN 3275 UN 3276 UN 3439
Aminopyridines (o-; m-; p-)	UN 2671	Nitroanilines	UN 1661
Ammonium arsenate	UN 1546	Nitroanisole, liquid, or solid	UN 2730 UN 3458

Ammonium dinitro-o-cresolate solution, or solid	UN 3424	Nitrobenzene	UN 1662
Ammonium fluoride,	UN 2505	Nitrobenzotrifluorides, liquid, or solid	UN 2306 UN 3431
Ammunition, tear-producing, non-explosive, without burster or expelling charge, non-fuzed	UN 2017	Nitrobromobenzenes, liquid, or solid	UN 2732 UN 3459
Ammunition, toxic, non-explosive, without burster or expelling charge, non-fuzed	UN 2016	Nitrocresols, liquid, or solid	UN 3434 UN 2446
Aniline	UN 1547	Nitrophenols	UN 1663
Aniline hydrochloride	UN 1548	Nitrotoluenes, liquid, or solid	UN 1664 UN 3446
Anisidines	UN 2431	Nitrotoluidines (mono)	UN 2660
Antimony compounds, inorganic, liquid, n.o.s.	UN 3141	Nitroxylenes, liquid, or solid	UN 1665 UN 3447
Antimony lactate	UN 1550	o-Dichlorobenzene	UN 1591
Antimony powder	UN 2871	Organoarsenic compound, liquid, or solid, n.o.s.	UN 3280 UN 3465
Arsenic	UN 1558	Organochlorine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	UN 2995
Arsenic acid, liquid	UN 1553	Organochlorine pesticides, solid, toxic	UN 2761
Arsenic bromide	UN 1555	Organometallic compound, toxic, liquid, or solid, n.o.s.	UN 3282 UN 3467
Arsenic compounds, liquid, n.o.s. inorganic, including arsenates, n.o.s.; arsenites, n.o.s.; arsenic sulfides, n.o.s.; and organic compounds of arsenic, n.o.s.	UN 1556	Organophosphorus compound, toxic, flammable, n.o.s.	UN 3279
Arsenic pentoxide	UN 1559	Organophosphorus pesticides, liquid, toxic	UN 3018
Arsenical dust	UN 1562	Organophosphorus pesticides, solid, toxic	UN 2783
Arsenical pesticides, liquid, toxic	UN 2994	Organotin compounds, liquid, n.o.s.	UN 2788
Arsenical pesticides, solid, toxic	UN 2759	Organotin compounds, solid, n.o.s.	UN 3146
Barium compounds, n.o.s.	UN 1564	Osmium tetroxide	UN 2471
Barium cyanide	UN 1565	Pentachloroethane	UN 1669
Barium oxide	UN 1884	Pentachlorophenol	UN 3155
Benzidine	UN 1885	Perchloromethyl mercaptan	UN 1670
Benzonitrile	UN 2224	Pesticides, liquid, toxic, flammable, n.o.s. flash point not less than 23 degrees C	UN 2903
Benzoquinone	UN 2587	Pesticides, liquid, or solid, toxic, n.o.s.	UN 2902 UN 2588
Benzyl bromide	UN 1737	Phenacyl bromide	UN 2645
Benzylidene chloride	UN 1886	Phenetidines	UN 2311
Beryllium compounds, n.o.s.	UN 1566	Phenol solutions	UN 2821
Beryllium, powder	UN 1567	Phenol, molten	UN 2312
beta-Naphthylamine solution	UN 3411	Phenoxyacetic acid derivative pesticide, liquid, toxic	UN 3348
Bipyridilium pesticides, liquid, toxic	UN 3016	Phenoxyacetic acid derivative pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	UN 3347
Bipyridilium pesticides, solid, toxic	UN 2781	Phenoxyacetic acid derivative pesticide, solid, toxic	UN 3345
Bromoacetone	UN 1569	Phenyl chloroformate	UN 2746
Bromobenzyl cyanides, liquid, or solid	UN 1694	Phenyl isocyanate	UN 2487
Bromochloromethane	UN 1887	Phenyl mercaptan	UN 2337
Bromoform	UN 2515	Phenyl urea pesticides, liquid, toxic	UN 3002
Brucine	UN 1570	Phenylacetoneitrile, liquid	UN 2470

Butyltoluenes	UN 2667	Phenylcarbylamine chloride	UN 1672
Cacodylic acid	UN 1572	Phenylhydrazine	UN 2572
Cadmium compounds	UN 2570	Phenylmercuric acetate	UN 1674
Calcium arsenate and calcium arsenite, mixtures, solid	UN 1574	Phenylmercuric compounds, n.o.s.	UN 2026
Calcium cyanide	UN 1575	Phenylmercuric hydroxide	UN 1894
Carbamate pesticides, liquid, toxic	UN 2992	Phenylmercuric nitrate	UN 1895
Carbamate pesticides, solid, toxic	UN 2757	Phosphorus trichloride	UN 1809
Carbon tetrabromide	UN 2516	Potassium arsenate	UN 1677
Chloral, anhydrous, stabilized	UN 2075	Potassium arsenite	UN 1678
Chloroacetic acid, molten	UN 3250	Potassium cuprocyanide	UN 1679
Chloroacetone, stabilized	UN 1695	Potassium cyanide solution	UN 3413
Chloroacetonitrile	UN 2668	Potassium cyanide, solid	UN 1680
Chloroacetophenone, solid	UN 1697	Potassium fluoride, solid	UN 1812
Chloroacetyl chloride	UN 1752	Potassium fluoroacetate	UN 2628
Chloroanilines, liquid, or solid	UN 2019 UN 2018	Potassium metavanadate	UN 2864
Chloroanisidines	UN 2233	Potassium fluoride solution	UN 3422
Chlorobenzyl chlorides, liquid	UN 2235	Propylene chlorohydrin	UN 2611
Chlorocresols solution, or solid	UN 2669 UN 3437	Pyrethroid pesticide, liquid toxic	UN 3352
Chlorodinitrobenzenes, liquid	UN 1577	Pyrethroid pesticide, solid, toxic	UN 3349
Chloroform	UN 1888	Quinoline	UN 2656
Chloroformates, toxic, corrosive, flammable, n.o.s.	UN 2742	Resorcinol	UN 2876
Chloromethyl chloroformate	UN 2745	Selenates or Selenites	UN 2630
Chloronitroanilines	UN 2237	Selenium compound, liquid, n.o.s.	UN 3440
Chloronitrobenzenes, liquid, or solid	UN 3409 UN 1578	Selenium compound, solid, n.o.s.	UN 3283
Chloronitrotoluenes, liquid, or solid	UN 2433 UN 3457	Selenium disulfide	UN 2657
Chlorophenols, liquid, or solid	UN 2021 UN 2020	Silver arsenite	UN 2683
Chloropicrin	UN 1580	Silver cyanide	UN 1684
Chloropicrin mixtures, n.o.s.	UN 1583	Sodium ammonium vanadate	UN 2863
Chloropivaloyl chloride	NA 9263	Sodium arsenilate	UN 2473
Chlorosilanes, toxic, corrosive, flammable, n.o.s.	UN 3362	Sodium arsenate	UN 1685
Chlorotoluidines, liquid, or solid	UN 3429 UN 2239	Sodium arsenite, aqueous solutions	UN 1686
Compounds, tree killing, liquid or Compounds, weed killing, liquid	NA 2810	Sodium arsenite, solid	UN 2027
Copper acetoarsenite	UN 1585	Sodium azide	UN 1687
Copper arsenite	UN 1586	Sodium cacodylate	UN 1688
Copper based pesticides, liquid, toxic	UN 3010	Sodium chloroacetate	UN 2659
Copper based pesticides, solid, toxic	UN 2775	Sodium cuprocyanide, solid	UN 2316
Copper cyanide	UN 1587	Sodium cuprocyanide, solution	UN 2317
Coumarin derivative pesticides, liquid, toxic	UN 3026	Sodium cyanide solution	UN 3414
Coumarin derivative pesticides, solid, toxic	UN 3027	Sodium cyanide, solid	UN 1689
Cresols, liquid, or solid, or acid	UN 2076 UN 3455 UN 2022	Sodium fluoride solution	UN 3415
Crotonaldehyde	UN 1143	Sodium fluoride, solid	UN 1690
Cyanide solutions, n.o.s.	UN 1935	Sodium fluoroacetate	UN 2629
Cyanides, inorganic, solid, n.o.s.	UN 1588	Sodium fluorosilicate	UN 2674
Cyanogen bromide	UN 1889	Sodium pentachlorophenate	UN 2567

Cyclobutyl chloroformate	UN 2744	Solids containing toxic liquid, n.o.s.	UN 3243
Cyclohexyl isocyanate	UN 2488	Strontium arsenite	UN 1691
Dibromochloropropane	UN 2872	Strychnine or Strychnine salts	UN 1692
Dibromomethane	UN 2664	Substituted nitrophenol pesticides, liquid, toxic	UN 3014
Dibutylaminoethanol	UN 2873	Substituted nitrophenol pesticides, liquid, toxic, flammable flash point not less than 23 degrees C	UN 3013
Dichloroanilines, liquid, or solid	UN 1590 UN 3442	Substituted nitrophenol pesticides, solid, toxic	UN 2779
Dichlorodimethyl ether, symmetrical	UN 2249	Tear gas candles	UN 1700
Dichloroisopropyl ether	UN 2490	Tear gas devices with more than 2 percent tear gas substances, by mass	NA 1693
Dichloromethane	UN 1593	Tear gas substance, solid, n.o.s.	UN 3448
Dichlorophenyl isocyanates	UN 2250	Tear gas substances, liquid, n.o.s.	UN 1693
Diethyl sulfate	UN 1594	Tellurium compound, n.o.s.	UN 3284
Diketene, stabilized	UN 2521	tert-Butyl isocyanate	UN 2484
Dimethyl sulfate	UN 1595	Tetrabromoethane	UN 2504
Dimethyl thiophosphoryl chloride	UN 2267	Tetrachloroethylene	UN 1897
Dimethylhydrazine, symmetrical	UN 2382	Tetraethyl dithiopyrophosphate	UN 1704
Dimethylhydrazine, unsymmetrical	UN 1163	Thallium compounds, n.o.s.	UN 1707
Dinitro-o-cresol	UN 1598	Thallium nitrate	UN 2727
Dinitroanilines	UN 1596	Thiocarbamate pesticide, liquid, toxic	UN 3006
Dinitrobenzenes, liquid, or solid	UN 1597 UN3453	Thiocarbamate pesticide, liquid, toxic, flammable, flash point not less than 23 degrees C	UN 3005
Dinitrophenol solutions	UN 1599	Thiocarbamate pesticides, solid, toxic	UN 2771
Dinitrotoluenes, liquid, or molten, or solid	UN 2038 UN 1600 UN3454	Thioglycol	UN 2966
Diphenylamine chloroarsine	UN 1698	Thiolactic acid	UN 2936
Diphenylchloroarsine, liquid, or solid	UN 1699 UN3450	Thiophosgene	UN 2474
Disinfectants, liquid, toxic, n.o.s.	UN 3142	Toluene diisocyanate	UN 2078
Dyes, liquid, toxic, n.o.s. or Dye intermediates, liquid, toxic, n.o.s.	UN 1602	Toluidines liquid	UN 1708
Epibromohydrin	UN 2558	Toluidines, solid	UN 3451
Ethyl bromide	UN 1891	Toxic by inhalation liquid, corrosive, n.o.s. with an inhalation toxicity lower than or equal to 1000 ml/m3 and saturated vapor concentration greater than or equal to 10 LC50.	UN 3390
Ethyl bromoacetate	UN 1603	Toxic liquid, corrosive, inorganic, n.o.s.	UN 3289
Ethyl chloroacetate	UN 1181	Toxic liquid, corrosive, inorganic, n.o.s.	UN 3289
Ethyl chloroformate	UN 1182	Toxic liquid, inorganic, n.o.s.	UN 3287
Ethyl oxalate	UN 2525	Toxic liquids, corrosive, organic, n.o.s.	UN 2927
Ethyl phosphonothioic dichloride, anhydrous	NA 2927	Toxic liquids, flammable, organic, n.o.s.	UN 2929
Ethyl phosphorodichloridate	NA 2927	Toxic liquids, oxidizing, n.o.s.	UN 3122
Ethylchloroarsine	UN 1892	Toxic liquids, water-reactive, n.o.s.	UN 3123
Ethylene chlorohydrin	UN 1135	Toxic solid, corrosive, inorganic, n.o.s.	UN 3290
Ethylene dibromide	UN 1605	Toxic solid, inorganic, n.o.s.	UN 3288
Ethyleneimine, stabilized	UN 1185	Toxic solids, corrosive, organic, n.o.s.	UN 2928
Ferric arsenate, or arsenite	UN 1606 UN 1607	Toxic solids, flammable, organic, n.o.s	UN 2930
Fluoroacetic acid	UN 2642	Toxic solids, organic, n.o.s.	UN 2811
Fluoroanilines	UN 2941	Toxic solids, oxidizing, n.o.s.	UN 3086
Fluorosilicates, n.o.s.	UN 2856	Toxic solids, self-heating, n.o.s.	UN 3124

Furaldehydes	UN 1199	Toxic solids, water-reactive, n.o.s.	UN 3125
Furfuryl alcohol	UN 2874	Toxic, liquids, organic, n.o.s.	UN 2810
Glycerol alpha-monochlorohydrin	UN 2689	Toxins, extracted from living sources, liquid, n.o.s.	UN 3172
Hexachloroacetone	UN 2661	Toxins, extracted from living sources, solid, n.o.s.	UN 3462
Hexachlorobenzene	UN 2729	Toxins, from living sources, liquid, n.o.s.	UN 3172
Hexachlorobutadiene	UN 2279	Triallyl borate	UN 2609
Hexachlorocyclopentadiene	UN 2646	Triazine pesticides, liquid, toxic	UN 2998
Hexachlorophene	UN 2875	Triazine pesticides, liquid, toxic, flammable, flash point not less than 23 degrees C	UN 2997
Hexaethyl tetraphosphate, liquid, or solid	UN 1611	Triazine pesticides, solid, toxic	UN 2763
Hexafluoroacetone hydrate, liquid, or solid	UN 2552 UN 3446	Tributylamine	UN 2542
Hexamethylene diisocyanate	UN 2281	Trichlorobenzenes, liquid	UN 2321
Hydrazine, aqueous solution with not more than 37 percent hydrazine, by mass	UN 3293	Trichlorobutene	UN 2322
Hydrocyanic acid, aqueous solutions or Hydrogen cyanide, aqueous solutions with not more than 20 percent hydrogen cyanide	UN 1613	Trichloroethylene	UN 1710
Hydrogen cyanide, solution in alcohol with not more than 45 percent hydrogen cyanide	UN 3294	Tricresyl phosphate with more than 3 percent ortho isomer	UN 2574
Hydrogen cyanide, stabilized with less than 3 percent water	UN 1051	Trimethoxysilane	NA 9269
Iron pentacarbonyl	UN 1994	Trimethylacetyl chloride	UN 2438
Isobutyl chloroformate	NA 2742	Trimethylhexamethylene diisocyanate	UN 2328
Isocyanates, toxic, flammable, n.o.s. or Isocyanate solutions, toxic, flammable, n.o.s., flash point not less than 23 degrees C but not more than 61 degrees C and boiling point less than 300 degrees C	UN 3080	Tris-(1-aziridinyl) phosphine oxide, solution	UN 2501
Isocyanatobenzotrifluorides	UN 2285	Vanadium compound, n.o.s.	UN 3285
Isophorone diisocyanate	UN 2290	Vanadium pentoxide, non-fused form	UN 2862
Isopropyl chloroformate	UN 2407	Vanadyl sulfate	UN 2931
Lead acetate, or arsenates, or arsenites,	UN 1616 UN 1617 UN1618	Vinyl chloroacetate	UN 2589
Lead compounds, soluble, n.o.s.	UN 2291	Vinylpyridines, stabilized	UN 3073
Lead cyanide	UN 1620	Xylenols, liquid	UN 3430
London purple	UN 1621	Xylenols, solid	UN 2261
Magnesium arsenate	UN 1622	Xylidines, liquid	UN 1711
Magnesium fluorosilicate	UN 2853	Xylidines, solid	UN 3452
Malononitrile	UN 2647	Xylyl bromide, liquid	UN 1701
Medicine, liquid, toxic, n.o.s.	UN 1851	Xylyl bromide, solid	UN 3417
Medicine, solid, toxic, n.o.s.	UN 3249	Zinc arsenate or Zinc arsenite or Zinc arsenate and zinc arsenite mixtures	UN 1712
Mercaptans, liquid, toxic, flammable, n.o.s.	UN 3071	Zinc cyanide	UN 1713
Mercuric arsenate	UN 1623	Zinc fluorosilicate	UN 2855
Mercuric chloride	UN 1624	Biological substance, Category B	UN 3373
Mercuric nitrate	UN 1625	Infectious substances, affecting animals only	UN 2900
Mercuric potassium cyanide	UN 1626	Infectious substances, affecting humans	UN 2814
Mercurous nitrate	UN 1627	Regulated medical waste, n.o.s. or Clinical waste, unspecified, n.o.s. or (BIO) Medical waste, n.o.s. or Medical Waste n.o.s.	UN 3291

Mercury acetate	UN 1629	4-Chloro-o-toluidine hydrochloride, solution	UN 3410
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CLASS 7 – RADIOACTIVE MATERIALS

Any quantity of packages bearing the RADIOACTIVE YELLOW III label (LSA-III). Some radioactive materials in "exclusive use" with low specific activity radioactive materials will not bear the label, however, the RADIOACTIVE placard is required.

Radioactive material, excepted package-articles manufactured from natural uranium or depleted uranium or natural thorium	UN 2909	Radioactive material, Type A package non-special form, non fissile or fissile-excepted	UN 2915
Radioactive material, excepted package-empty packaging	UN 2908	Radioactive material, Type A package, fissile non-special form	UN 3327
Radioactive material, excepted package-instruments or articles	UN 2911	Radioactive material, Type A package, special form non fissile or fissile-excepted	UN 3332
Radioactive material, excepted package-limited quantity of material	UN 2910	Radioactive material, Type A package, special form, fissile	UN 3333
Radioactive material, low specific activity (LSA-I) non fissile or fissile-excepted	UN 2912	Radioactive material, Type B(M) package non fissile or fissile-excepted	UN 2917
Radioactive material, low specific activity (LSA-II) non fissile or fissile-excepted	UN 3321	Radioactive material, Type B(M) package, fissile	UN 3329
Radioactive material, low specific activity (LSA-III) non fissile or fissile excepted	UN 3322	Radioactive material, Type B(U) package non fissile or fissile-excepted	UN 2916
Radioactive material, surface contaminated objects (SCO-I or SCO-II) non fissile or fissile-excepted	UN 2913	Radioactive material, Type B(U) package, fissile	UN 3328
Radioactive material, transported under special arrangement, fissile	UN 3331	Radioactive material, uranium hexafluoride non fissile or fissile-excepted	UN 2978
Radioactive material, transported under special arrangement, non fissile or fissile excepted	UN 2919	Radioactive material, uranium hexafluoride, fissile	UN 2977



CLASS 8 CORROSIVES

Although the corrosive class includes both acids and bases, the hazardous materials load and segregation chart does not make any reference to the separation of various incompatible corrosive materials from each other. In spite of this, however, when shipping corrosives care should be taken to ensure that incompatible corrosive materials can not become mixed as many corrosives react very violently if mixed. If responding to a transportation incident involving corrosive materials (especially a mixture of corrosives), caution should be exercised.

1, 2-Propylenediamine	UN 2258	Ethylphenyldichlorosilane	UN 2435
1-Pentol	UN 2705	Ferric chloride, anhydrous	UN 1773
2-(2-Aminoethoxy) ethanol	UN 3055	Ferric chloride, solution	UN 2582
2-Chloropropionic acid	UN 2511	Ferrous chloride, solid	NA 1759
2-Diethylaminoethanol	UN 2686	Ferrous chloride, solution	NA 1760
2-Dimethylaminoethanol	UN 2051	Fire extinguisher charges, corrosive liquid	UN 1774
3, 3'-Iminodipropylamine	UN 2269	Fluoroboric acid	UN 1775
Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass	UN 2790	Fluorophosphoric acid anhydrous	UN 1776
Acetic acid, glacial or Acetic acid solution, with more than 80 percent acid, by mass	UN 2789	Fluorosilicic acid	UN 1778
Acetic anhydride	UN 1715	Fluorosulfonic acid	UN 1777
Acetyl bromide	UN 1716	Formaldehyde, solutions, with not less than 25 percent formaldehyde	UN 2209
Acetyl iodide	UN 1898	Formic acid with more than 85% acid by mass	UN 1779
Acrylic acid, stabilized	UN 2218	Fuel cell cartridges or Fuel cell cartridges contained in equipment or Fuel cell cartridges packed with equipment containing corrosive substances	UN 3477
Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with more than 5 percent free sulfuric acid	UN 2584	Fumaryl chloride	UN 1780
Alkyl sulfonic acids, liquid or Aryl sulfonic acids, liquid with not more than 5 percent free sulfuric acid	UN 2586	Gallium	UN 2803
Alkyl sulfonic acids, solid or Aryl sulfonic acids, solid with not more than 5 percent free sulfuric acid	UN 2585	Hexadecyltrichlorosilane	UN 1781
Alkylphenols, liquid, n.o.s. (including C2-C12 homologues)	UN 2583	Hexafluorophosphoric acid	UN 1782
Alkylphenols, solid, n.o.s. (including C2-C12 homologues)	UN 3145	Hexamethylenediamine solution	UN 1783
Alkylsulfuric acids	UN 2571	Hexamethylenediamine, solid	UN 2280
Allyltrichlorosilane, stabilized	UN 1724	Hexyltrichlorosilane	UN 1784
Aluminum bromide, anhydrous	UN 1725	Hydrazine aqueous solution, with more than 37% hydrazine, by mass	UN 2030
Aluminum bromide, solution	UN 2580	Hydrazine, anhydrous	UN 2029
Aluminum chloride, anhydrous	UN 1726	Hydriodic acid	UN 1787
Aluminum chloride, solution	UN 2581	Hydrobromic acid, with more than 49 percent hydrobromic acid	UN 1788
Amines, liquid, corrosive, flammable, n.o.s. or Polyamines, liquid, corrosive, flammable, n.o.s.	UN 2734	Hydrochloric acid	UN 1789
Amines, liquid, corrosive, n.o.s. or Polyamines, liquid, corrosive, n.o.s.	UN 2735	Hydrofluoric acid and Sulfuric acid mixtures	UN 1786
Amines, solid, corrosive, n.o.s., or Polyamines, solid, corrosive n.o.s.	UN 3259	Hydrogen fluoride, anhydrous	UN 1052
Ammonia solutions, relative density between 0.880 and 0.957 at 15 degrees C in water, with more than 10 percent but not more than 35 percent ammonia	UN 2672	Hydrogendifluorides, solid, n.o.s.	UN 1740
Ammonium hydrogen sulfate	UN 2506	Hydrogendifluorides, solution n.o.s.	UN 3471
Ammonium hydrogendifluoride, solid	UN 1727	Hydroxylamine sulfate	UN 2865
Ammonium hydrogendifluoride, solution	UN 2817	Hypochlorite solutions	UN 1791
Ammonium polysulfide, solution		Iodine monochloride	UN 1792

Ammonium sulfide solution	UN 2683	Isophoronediamine	UN 2289
Amyl acid phosphate	UN 2819	Isopropyl acid phosphate	UN 1793
Amyltrichlorosilane	UN 1728	Lead sulfate with more than 3 percent free acid	UN 1794
Anisoyl chloride	UN 1729	Lithium hydroxide	UN 2680
Antimony pentachloride, liquid	UN 1730	Lithium hydroxide, solution	UN 2679
Antimony pentachloride, solutions	UN 1731	Maleic anhydride	UN 2215
Antimony pentafluoride	UN 1732	Maleic anhydride, molten	UN 2215
Antimony trichloride, liquid	UN 1733	Mercury	UN 2809
Antimony trichloride, solid	UN 1733	Mercury contained in manufactured articles	UN 2809
Batteries, dry, containing potassium hydroxide solid, electric, storage	UN 3028	Methacrylic acid, stabilized	UN 2531
Batteries, wet, filled with acid, electric storage	UN 2794	Methylphenyldichlorosilane	UN 2437
Batteries, wet, filled with alkali, electric storage	UN 2795	Molybdenum pentachloride	UN 2508
Batteries, wet, non-spillable, electric storage	UN 2800	Morpholine	UN 2054
Battery fluid, acid	UN 2796	N, N-Diethylethylenediamine	UN 2685
Battery fluid, alkali	UN 2797	N, N-Dimethylcyclo-hexylamine	UN 2264
Benzene sulfonyl chloride	UN 2225	N-Aminoethylpiperazine	UN 2815
Benzotrichloride	UN 2226	Nitrating acid mixtures spent with not more than 50 percent nitric acid	UN 1826
Benzoyl chloride	UN 1736	Nitric acid other than red fuming, with at least 65 percent, but not more than 70 percent nitric acid	UN 2031
Benzyl chloroformate	UN 1739	Nitric acid, red fuming	UN 2032
Benzyl dimethylamine	UN 2619	Nitrobenzenesulfonic acid	UN 2305
Bisulfate, aqueous solution	UN 2837	Nitrohydrochloric acid	UN 1798
Bisulfites, aqueous solutions, n.o.s.	UN 2693	Nitrosylsulfuric acid, liquid	UN 2308
Bombs, smoke, non-explosive, with corrosive liquid, without initiating device	UN 2028	Nitrosylsulphuric acid, solid	UN 3456
Boron tribromide	UN 2692	Nonyltrichlorosilane	UN 1799
Boron trifluoride acetic acid complex, liquid	UN 1742	Octadecyltrichlorosilane	UN 1800
Boron trifluoride diethyl etherate	UN 2604	Octyltrichlorosilane	UN 1801
Boron trifluoride dihydrate	UN 2851	Paint or Paint related material	UN 3066
Boron trifluoride propionic acid complex, liquid	UN 1743	Paint related material corrosive, flammable (including paint thinning or reducing compound)	UN 3470
Boron trifluoride propionic acid complex, solid	UN 3420	Perchloric acid with not more than 50 percent acid by mass	UN 1802
Bromine	UN 1744	Phenolsulfonic acid, liquid	UN 1803
Bromine solutions	UN 1744	Phenyl phosphorus dichloride	UN 2798
Bromoacetic acid solution	UN 1938	Phenyl phosphorus thiodichloride	UN 2799
Bromoacetic acid, solid	UN 3425	Phenylacetyl chloride	UN 2577
Bromoacetyl bromide	UN 2513	Phenyltrichlorosilane	UN 1804
Butyl acid phosphate	UN 1718	Phosphoric acid solution	UN 1805
Butyltrichlorosilane	UN 1747	Phosphoric acid, solid	UN 3453
Butyric acid	UN 2820	Phosphorous acid	UN 2834
Butyric anhydride	UN 2739	Phosphorus oxybromide	UN 1939
Caesium hydroxide	UN 2682	Phosphorus oxychloride	UN 1810
Caesium hydroxide solution	UN 2681	Phosphorus pentabromide	UN 2691
Calcium oxide	UN 1910	Phosphorus pentachloride	UN 1806
Caproic acid	UN 2829	Phosphorus pentoxide	UN 1807
Caustic alkali liquids, n.o.s.	UN 1719	Phosphorus tribromide	UN 1808
Chemical kit	NA 1760	Phosphorus trioxide	UN 2578
Chlorite solution	UN 1908	Phthalic anhydride with more than .05 percent maleic anhydride	UN 2214
Chlorophenolates, liquid or Phenolates, liquid	UN 2904	Piperazine	UN 2579

Chlorophenyltrichlorosilane	UN 1753	Piperidine	UN 2401
Chloroplatinic acid, solid	UN 2507	Potassium hydrogen sulfate	UN 2509
Chlorosilanes, corrosive, flammable, n.o.s.	UN 2986	Potassium hydrogendifluoride, solid	UN 1811
Chlorosilanes, corrosive, n.o.s.	UN 2987	Potassium hydroxide, solid	UN 1813
Chlorosulfonic acid (with or without sulfur trioxide)	UN 1754	Potassium hydroxide, solution	UN 1814
Chromic acid solution	UN 1755	Potassium hydrogendifluoride solution	UN 3421
Chromic fluoride, solid	UN 1756	Potassium monoxide	UN 2033
Chromic fluoride, solution	UN 1757	Potassium sulfide, hydrated with not less than 30 percent water of crystallization	UN 1847
Chromium oxychloride	UN 1758	Propionic acid with not less than 10% and less than 90% acid by mass	UN 1848
Chromosulfuric acid	UN 2240	Propionic anhydride	UN 2496
Compounds, cleaning liquid	NA 1760	Propyltrichlorosilane	UN 1816
Compounds, tree killing, liquid or Compounds, weed killing, liquid	NA 1760	Pyrosulfuryl chloride	UN 1817
Copper chloride	UN 2802	Rubidium hydroxide	UN 2678
Corrosive liquid, acidic, inorganic, n.o.s.	UN 3264	Rubidium hydroxide solution	UN 2677
Corrosive liquid, acidic, organic, n.o.s.	UN 3265	Selenic acid	UN 1905
Corrosive liquid, basic, inorganic, n.o.s.	UN 3266	Selenium oxychloride	UN 2879
Corrosive liquid, basic, organic, n.o.s.	UN 3267	Silicon tetrachloride	UN 1818
Corrosive liquid, self-heating, n.o.s.	UN 3301	Sludge, acid	UN 1906
Corrosive liquids, flammable, n.o.s.	UN 2920	Soda lime with more than 4 percent sodium hydroxide	UN 1907
Corrosive liquids, n.o.s.	UN 1760	Sodium aluminate, solid	UN 2812
Corrosive liquids, oxidizing, n.o.s.	UN 3093	Sodium borohydride and sodium hydroxide solution, with not more than 12 percent sodium borohydride and not more than 40 percent sodium hydroxide by mass	UN 3320
Corrosive liquids, toxic, n.o.s.	UN 2922	Sodium hydrogendifluoride	UN 2439
Corrosive liquids, water-reactive, n.o.s.	UN 3094	Sodium hydrosulfide with not less than 25 percent water of crystallization	UN 2949
Corrosive solid, acidic, inorganic, n.o.s.	UN 3260	Sodium hydroxide solution	UN 1824
Corrosive solid, acidic, organic, n.o.s.	UN 3261	Sodium hydroxide, solid	UN 1823
Corrosive solid, basic, inorganic, n.o.s.	UN 3262	Sodium monoxide	UN 1825
Corrosive solid, basic, organic, n.o.s.	UN 3263	Sodium sulfide, hydrated with not less than 30 percent water	UN 1849
Corrosive solids, flammable, n.o.s.	UN 2921	Solids containing corrosive liquid, n.o.s.	UN 3244
Corrosive solids, n.o.s.	UN 1759	Stannic chloride pentahydrate	UN 2440
Corrosive solids, oxidizing, n.o.s.	UN 3084	Stannic chloride, anhydrous	UN 1827
Corrosive solids, self-heating, n.o.s.	UN 3095	Sulfamic acid	UN 2967
Corrosive solids, toxic, n.o.s.	UN 2923	Sulfur chlorides	UN 1828
Corrosive solids, water-reactive, n.o.s.	UN 3096	Sulfur trioxide, stabilized	UN 1829
Crotonic acid liquid	UN 3472	Sulfuric acid with more than 51 percent acid	UN 1830
Crotonic acid, solid	UN 2823	Sulfuric acid with not more than 51% acid	UN 2796
Cupriethylenediamine solution	UN 1761	Sulfuric acid, fuming with 30 percent or more free sulfur trioxide	UN 1831
Cyanuric chloride	UN 2670	Sulfuric acid, spent	UN 1832
Cyclohexenyltrichlorosilane	UN 1762	Sulfuryl chloride	UN 1834
Cyclohexylamine	UN 2357	Tetraethylenepentamine	UN 2320
Cyclohexyltrichlorosilane	UN 1763	Tetrahydrophthalic anhydrides with more than 0.05 percent of maleic anhydride	UN 2698
Di-n-butylamine	UN 2248	Tetramethylammonium hydroxide solution	UN 1835
Dibenzylchlorosilane	UN 2434	Thioglycolic acid	UN 1940

Dichloroacetic acid	UN 1764	Thionyl chloride	UN 1836
Dichloroacetyl chloride	UN 1765	Thiophosphoryl chloride	UN 1837
Dichlorophenyltrichlorosilane	UN 1766	Titanium tetrachloride	UN 1838
Dicyclohexylamine	UN 2565	Titanium trichloride mixtures	UN 2869
Diethyldichlorosilane	UN 1767	Trichloroacetic acid	UN 1839
Diethylenetriamine	UN 2079	Trichloroacetic acid, solution	UN 2564
Diethylthiophosphoryl chloride	UN 2751	Trichloroacetyl chloride	UN 2442
Difluorophosphoric acid, anhydrous	UN 1768	Triethylenetetramine	UN 2259
Diisooctyl acid phosphate	UN 1902	Trifluoroacetic acid	UN 2699
Dimethylcarbamoyl chloride	UN 2262	Trimethylcyclohexylamine	UN 2326
Diphenyldichlorosilane	UN 1769	Trimethylhexamethylenediamines	UN 2327
Diphenylmethyl bromide	UN 1770	Valeryl chloride	UN 2502
Disinfectant, liquid, corrosive, n.o.s.	UN 1903	Vanadium oxytrichloride	UN 2443
Disodium trioxosilicate	UN 3253	Vanadium tetrachloride	UN 2444
Dodecyltrichlorosilane	UN 1771	Vanadium trichloride	UN 2475
Dyes, liquid, corrosive, n.o.s. or Dye intermediates, liquid, corrosive, n.o.s.	UN 2801	Zinc chloride, anhydrous	UN 2331
Dyes, solid, corrosive, n.o.s. or Dye intermediates, solid, corrosive, n.o.s.	UN 3147	Zinc chloride, solution	UN 1840
Ethanolamine or Ethanolamine solutions	UN 2491	Zirconium tetrachloride	UN 2503
Ethyl chlorothioformate	UN 2826		
Ethylenediamine	UN 1604		



CLASS 9 – MISCELLANEOUS

A material which presents a hazard during transportation, but which does not meet the definition of any other hazard class. This class includes:

Any material which has an anesthetic, noxious or other similar property which could cause extreme annoyance or discomfort to a flight crew member so as to prevent the correct performance of assigned duties; or

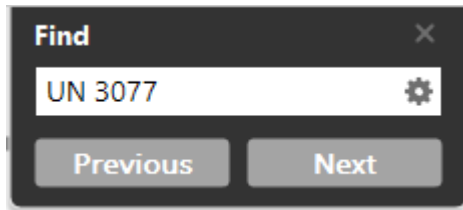
Any material that meets the definition in 49CFR 171.8 of this subchapter for an elevated temperature material, a hazardous substance, a hazardous waste, or a marine pollutant.

Acetaldehyde ammonia	UN 1841	Fish meal, stabilized or Fish scrap, stabilized	UN 2216
Air bag inflators, or Air bag modules, or Seat-belt pretensioners	UN 3268	Hazardous waste, liquid, n.o.s.	NA 3082
Aluminum, molten	NA 9260	Hazardous waste, solid, n.o.s.	NA 3077
Ammonium nitrate based fertilizer	UN 2071	Life-saving appliances, not self inflating containing dangerous goods as equipment	UN 3072
Asbestos	NA 2212	Life-saving appliances, self inflating	UN 2990
Aviation regulated liquid, n.o.s.	UN 3334	Lithium batteries packed with equipment	UN 3091
Aviation regulated solid, n.o.s.	UN 3335	Lithium battery	UN 3090
Battery-powered vehicle or Battery-powered equipment	UN 3171	Other regulated substances, liquid, n.o.s.	NA 3082
Benzaldehyde	UN 1990	Other regulated substances, solid, n.o.s.	NA 3077

Blue asbestos (Crocidolite) or Brown asbestos (amosite, mysorite)	UN 2212	Oxygen generator, chemical, spent	NA 3356
Carbon dioxide, solid or Dry ice	UN 1845	Plastic molding compound in dough, sheet or extruded rope form evolving flammable vapor	UN 3314
Castor beans or Castor meal or Castor pomace or Castor flake	UN 2969	Polychlorinated biphenyls, liquid	UN 2315
Chemical kits	UN 3316	Polychlorinated biphenyls, solid	UN 3432
Cotton	NA 1365	Polyhalogenated biphenyls, liquid or Polyhalogenated terphenyls liquid	UN 3151
Dangerous Goods in Machinery or Dangerous Goods in Apparatus	UN 3363	Polymeric beads, expandable, evolving flammable vapor	UN 2211
Dibromodifluoromethane, R12B2	UN 1941	Self-defense spray, non-pressurized	NA 3334
Elevated temperature liquid, n.o.s., at or above 100 C and below its flash point (including molten metals, molten salts, etc.)	UN 3257	Sulfur	NA 1350
Elevated temperature solid, n.o.s., at or above 240 C	UN 3258	Sulfur, molten	NA 2448
Engines, internal combustion, flammable gas powered	UN 3166	Vehicle, flammable gas powered	UN 3166
Environmentally hazardous substances, liquid, n.o.s.	UN 3082	White asbestos (chrysotile, actinolite, anthophyllite, tremolite)	UN 2590
Environmentally hazardous substances, solid, n.o.s.	UN 3077	Zinc dithionite or Zinc hydrosulfite	UN 1931
First aid kits	UN 3316		

Instructions

To use Search in Adobe Acrobat > Select **File > Find**. This will open a Search box such as this:



Simply type in the 4 digit UN Number or the hazardous material name. Once you find and navigate to your search criteria, simply scroll up within the color shaded table to see which placards or labels that you will need.

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Hazardous Material Placards can be obtained from www.usafleetsupply.com | <https://www.usafleetsupply.com/categories.asp?cat=hazmat+placards>

DOT Hazardous Material Shipping Labels can be obtained from www.usafleetsupply.com | <https://www.usafleetsupply.com/products.asp?cat=dot+labels>

This Hazardous Materials Placard and Label Reference Guide is updated periodically per industry standards.