

Dangerous Goods and Scheduled Toxic Substances Requiring Approved Handler and Tracking Controls

This paper lists the dangerous goods (covering Class 2 Gases, Classes 3, 4 and 5 flammable liquids, flammable solids and oxidising substances, and petroleum products) and scheduled toxic substances (STs) that are required to be under the control of an **approved handler** and **tracked**. Dangerous goods (DGs) and STs were transferred to the Hazardous Substances and New Organisms (HSNO) Act in April 2004.

For further information on the full HSNO controls that apply to these substances, see:
<http://www.ermanz.govt.nz/hs/transfer-dangerous-goods.asp>

Classes 3,4,5 DGs and STs

1,3-Butadiene, 2-methyl-	Chlorous acid, sodium salt
1-Butanamine	Chromic acid, diammonium salt
1-Hexanamine, 2-ethyl-	Chromic acid, dipotassium salt
1-Pentanamine, N-pentyl-	Chromic acid, disodium salt, dihydrate
1-Propanethiol	Chromic acid, disodium salt
2-Propanamine	Chromium oxide
2-Propanol, 2-methyl-, aluminium salt	Cyclohexanamine
2-Propenenitrile	Ethane, 1,1,2,2-tetrachloro-
2-Propenoic acid, 2-methyl-, 2-propenyl ester	Ethane, 1,1'-oxybis-
Acetaldehyde	Ethaneperoxy acid, 35-43% in acetic acid and hydrogen peroxide
Acetic acid, 2-propenyl ester	Ethanedithioic acid
Acetic acid, chloro-, ethyl ester	Ethanedithiol
Acetonitrile	Formaldehyde solution, >35% aqueous solution with 7-10% methanol
Aluminate (1-), tetrahydro-, lithium, (T-4)-	Formaldehyde, >25% aqueous solution, containing not more than 5% methanol
Aluminate (1-), tetrahydro-, lithium, (T-4)-, ethereal	Formic acid, methyl ester
Aluminium phosphide	Furan
Aluminium pyrophoric	Hexane, 1,6-diisocyanato-
Aluminium, hydrobis(2-methylpropyl)-	Hydrazine (anhydrous)
Arsenic	Hydrazine hydrate, or >37-64% aqueous solution
Barium peroxide	Hydrofluoric acid, >1-7% aqueous solution
Benzene	Hydrofluoric acid, >60% aqueous solution
Benzene, 2,4-diisocyanato-1-methyl- (toluene diisocyanate)	Hydrofluoric acid, >7-60% aqueous solution
Borane, triethyl-	Hydrogen peroxide, > 60% aqueous solution
Borate (1-), tetrahydro-, potassium	Hydroperoxide, 1-methyl-1-phenylethyl 90- 98%, cumene 2-10%
Borate (1-), tetrahydro-, sodium	Lithium
Boron, trifluoro[oxybis(methane)]-, (T-4)-	Lithium hydride
Butane, 2-methyl-	Lithium, butyl-, 15% in hexane
Cadmium	Magnesium powder PG I
Calcium carbide	Metaldehyde (acetaldehyde homopolymer)
Calcium hydride	
Carbon disulfide	

Methanamine, N,N-dimethyl-, 40-50% aqueous solution
 Methane, isothiocyanato-
 Morpholine
 Nitric acid, >70%, other than red fuming
 Nitric acid, red fuming
 Nitric acid, cadmium salt
 Oxirane, methyl-
 Pentanedial (glutaraldehyde)
 Perchloric acid (50% - 72% aqueous solution)
 Periodic acid
 Periodic acid, potassium salt
 Periodic acid, sodium salt
 Peroxide, dibenzoyl, =77% aqueous solution
 Phenol
 Phenol, 2,4,6-trinitro- (wetted with >30% water)
 Phenol, 2,4-dinitro- (wetted with not less than 15% water by mass)
 Phenol, 2,5-dinitro- (wetted with not less than 15% water by mass)
 Phenol, 2,6-dinitro- (wetted with not less than 15% water by mass)
 Phenol, 2-amino-4,6-dinitro-, monosodium salt, (wetted)
 Phenol, methyl- mixed isomers (cresol)
 Phosphorus, white, yellow, dry or in solution
 Piperidine
 Potassium
 Potassium sulfide
 Potassium superoxide
 Propane, 2-chloro-
 Propanenitrile, 2-methyl-
 Rubidium
 Sodium
 Sodium hydride
 Sodium hydrosulphide
 Sodium peroxide
 Strychnidin-10-one, 2,3-dimethoxy-
 Sulphuric acid, fuming
 Thiourea dioxide
 Zinc phosphide
 Zinc powder pyrophoric

Class 2 Gases

2-Propanone, 1,1,1,3,3,3-hexafluoro-
 Borane, trifluoro-
 Chlorine
 Dinitrogen tetroxide [nitrogen dioxide]
 Dinitrogen tetroxide and nitric oxide mixture [nitrogen dioxide and nitric oxide mixture]
 Ethylene oxide and carbon dioxide mixture, >87% ethylene oxide
 Hydrogen sulfide
 Nitric oxide
 Nitrosyl chloride
 Oxirane (ethylene oxide)
 Phosgene

Petroleum products

Crude oils, extremely flammable
 Aliphatic hydrocarbon solvents, very low flashpoint
 Low aromatic hydrocarbon solvents, very low flashpoint
 Medium aromatic hydrocarbon solvents, very low flashpoint