

APPENDIX 9: POTENTIALLY HAZARDOUS SUBSTANCES

Hazardous Substances Quantity Thresholds

(See notes appended to this Schedule for explanation of abbreviations and symbols)

Substances	Properties	Quantity
Acetonecyanohydrin	2,F,L	1 t
Acetylene	3,F,G	1 t
Acrolein	2, F, L	500 kg
Acrylamide	2,S	1 t
Acrylonitrile	2,L	500 kg
Aldicarb	1,S	100 kg
Allyl alcohol	2,F,L	2 t
Allyl amine	2,F,L	1 t
Ammonia	2,L or G	1 t
Ammonium nitrate *	3,O,S	250 kg
Arsenic (III) compounds	1,S or L	50 kg
Arsenic (V) compounds	1,S or L	250 kg
Azide (barium or lead)	4,S	100 kg
Azinphos ethyl	1,S	50 kg
Azinphos methyl	1,S	50 kg
Azocyclotin	1,S	50 kg
Benzidine	1,S	0.1 kg
Beryllium (powder,compounds)	1,S,E,D	10 kg
Bromine	2,G	400 kg
Cadium,salts	2,S	500 kg
Carbofuran	1,S	50 kg
Carbon disulphide	2,F,L	200 kg
Carbophenothion	1,L	50kg
Cellulose nitrate (containing > 12.5% N)	4,S	1 t
Chlorine	2,G	200 kg
Class 3a flammable liquid) in above	5	2,000 l
Class 3b flammable liquid) ground	5	4,000 l
Class 3c flammable liquid) tanks/drums	5	10,000 l
CNG 5	5	2,000 l (H ₂ O equiv)
Cobalt (powder,compounds)	1,S	50 kg
Cycloheximide	1,S	50 kg
Dialifos	4,S	50 kg
Dimethylcarbamoyl chloride	1,L	50 kg
Dimethylphoramidocyanidic acid	1,L	50 kg
Diphacinone	1,S	50 kg
Disulphoton	1,L	10 kg
Ephichlorhydrin	3,T,F,E,G	500 kg
EPN (o-ethyl-O-p-nitrophenyl phenyl phosphorothioate)	1,S	50 kg
Ethylene	3,F,G	2 t
Ethyleneimine	2,F,L	250 kg
Ethylene oxide	3,T,F,G	500 kg
Ethyl nitrate	3,T,L	500 kg
Explosive (not listed elsewhere)	4	0.5 (TNT equiv)
Fensulphothion	1,L	10 kg
Fluoroacetic acid, salts (1080 poison)	1,S	50 kg
Fluorine	1,G	10 kg
Formaldehyde (> 90% concentration)	2,F,G	500 kg
Formaldehyde (> 45% concentration)	2,L	2.5 t

Appendix 9- Potentially Hazardous Substances

Glycolonitrile (Hydroxyacetonitrile)	1,E,L	10 kg
Hexamethylphosphoramide	1,L	1 kg
Hydrazine	3,T,F,L	250 kg
Hydrogen	3,F,G	250 kg
Hydrogen chloride (liquefied)	2,G	500 kg
Hydrogen cyanide, acid, salts	1,F,G,L or S	10 kg (G) 100 kg (L & S)
Hydrogen fluoride	2,G	200 kg
Hydrogen peroxide	3,L	500 l
Hydrogen selenide	1,F,G	1 kg
Hydrogen sulphide	2,F,G	500 kg
Mercaptans	2,F,G or L	100 kg
Mercury, salts	2,4,S	500 kg
Methyl bromide (Bromomethane)	2,G	500 kg
4,4' - Methylenebis (2-chloroaniline)	1,L	10 kg
Methyl isocyanate	1,F,G	5 kg
Mevinphos	1,E or L	50 kg
2-Napthylamine	1,S	1 kg
Nickel (powders, compounds)	1,S	250 kg
Nitrogen dioxide	2,G	500 kg
Organic peroxides (individually or cumulatively)	3,O,F,L	50 kg
Oxygen (liquid)	3,O,G	200 l
Parathion	1,L	15 kg
Parathion methyl	1,L	50 kg
Pentaborane	1,F,L	25 kg
Phorate	1,L	10 kg
Phosgene	1,G	5 kg
Phosphamidon	1,L	50 kg
Phosphorus	2,F,S	100 kg
Promurit	1,S	10 kg
Propylene oxide	3,T,F,G	1 t
Radioactive substances except that no radioactive material with a level of activity in excess of 1 petabecquerel (10^{15}) shall be permitted for any activity		1 bec/g
Selenium hexafluoride	1,G	1 kg
Sodium chlorate	3,O,S	2 t
Sodium selenate	2,S	250 kg
Sodium selenite	1,S	50 kg
Sulphur dioxide	2,G	1 t
Tallium, salts	2,S	250 kg
Tellurim hexafluoride	1,G	1 kg
Terbufos	1,S	100 kg
2,3,7,8, - Tetrachlorodigenzo-p-dioxin (TCDD)	1,S	Nil
Tetraethyl lead	1,S	200 kg
Tetramethyl lead	1,S	200 kg
Tetramethylene disulphotetramine	1,S	1 kg
Toluene diisocyanate, 2,4- or 2,6-	1,L	50 l
Trichloromethane sulphenyl chloride	1,L	50 kg
Triethylenemelamine	1,S	1 kg
VANADIUM, SALTS	2,S	500 kg
Warfarin	1,S	250 kg

Notes:

1. Very toxic
2. Toxic
3. Highly reactive
4. Explosive
5. Highly flammable

D.	dust
E.	explosive
F.	flammable
G.	gas
L.	liquid
O.	strong oxidiser or supporter of combustion
S.	solid
T.	toxic
*	fertiliser grade
>	greater than
g	grams
kg	kilograms
t	tonne
bec	becquerel
H ₂ O	water
TNT	trinitrotoluene
equiv.	equivalent

