Initial Isolation and Protective Action Distances (UN 1005-1556)

ID No.	NAME OF MATERIAL	SMALL SPILLS (From a small package or small leak from a large package) First ISOLATE in all Directions		Then PROTECT persons Downwind during- DAY		NIGHT		LARGE SPILLS (From a large package or from many small packages) First ISOLATE in all Directions		Then PROTECT persons Downwind during- DAY		NIGHT	
		m	(ft)	km	(mi)	km	(mi)	m	(ft)	km	(mi)	km	(mi)
1005	Ammonia, anhydrous	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1005	Ammonia, anhydrous, liquefied	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1005	Ammonia, solution, with more than 50% Ammonia	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1005	Anhydrous ammonia	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1005	Anhydrous ammonia, liquefied	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1008	Boron trifluoride	30	(100)	0.2	(0.1)	0.6	(0.4)	215	(700)	1.6	(1.0)	5.1	(3.2)
1008	Boron trifluoride, compressed	30	(100)	0.2	(0.1)	0.6	(0.4)	215	(700)	1.6	(1.0)	5.1	(3.2)
1016	Carbon monoxide	30	(100)	0.2	(0.1)	0.2	(0.1)	125	(400)	0.6	(0.4)	1.8	(1.1)
1016	Carbon monoxide, compressed	30	(100)	0.2	(0.1)	0.2	(0.1)	125	(400)	0.6	(0.4)	1.8	(1.1)
1017	Chlorine	30	(100)	0.3	(0.2)	1.1	(0.7)	275	(900)	2.7	(1.7)	6.8	(4.2)
1023	Coal gas	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.3	(0.2)	0.5	(0.3)
1023	Coal gas, compressed	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.3	(0.2)	0.5	(0.3)
1026	Cyanogen	30	(100)	0.3	(0.2)	1.1	(0.7)	305	(1000)	3.1	(1.9)	7.7	(4.8)
1026	Cyanogen gas	30	(100)	0.3	(0.2)	1.1	(0.7)	305	(1000)	3.1	(1.9)	7.7	(4.8)
1026	Cyanogen, liquefied	30	(100)	0.3	(0.2)	1.1	(0.7)	305	(1000)	3.1	(1.9)	7.7	(4.8)
1040	Ethylene oxide	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.8	(1.1)
1040	Ethylene oxide with Nitrogen	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.8	(1.1)
1045	Fluorine	30	(100)	0.2	(0.1)	0.5	(0.3)	185	(600)	1.4	(0.9)	4.0	(2.5)
1045	Fluorine, compressed	30	(100)	0.2	(0.1)	0.5	(0.3)	185	(600)	1.4	(0.9)	4.0	(2.5)
1048	Hydrogen bromide, anhydrous	30	(100)	0.2	(0.1)	0.5	(0.3)	125	(400)	1.1	(0.7)	3.4	(2.1)
1050	Hydrogen chloride, anhydrous	30	(100)	0.2	(0.1)	0.6	(0.4)	185	(600)	1.6	(1.0)	4.3	(2.7)
1051	AC (when used as a weapon)	60	(200)	0.2	(0.1)	0.5	(0.3)	460	(1500)	1.6	(1.0)	3.9	(2.4)
1051	Hydrocyanic acid, aqueous solutions, with more than 20% Hydrogen cyanide	60	(200)	0.2	(0.1)	0.5	(0.3)	400	(1300)	1.3	(0.8)	3.4	(2.1)
1051	Hydrocyanic acid, liquefied	60	(200)	0.2	(0.1)	0.5	(0.3)	400	(1300)	1.3	(0.8)	3.4	(2.1)
1051	Hydrogen cyanide, anhydrous, stabilized	60	(200)	0.2	(0.1)	0.5	(0.3)	400	(1300)	1.3	(0.8)	3.4	(2.1)
1051	Hydrogen cyanide, stabilized	60	(200)	0.2	(0.1)	0.5	(0.3)	400	(1300)	1.3	(0.8)	3.4	(2.1)
1052	Hydrogen fluoride, anhydrous	30	(100)	0.2	(0.1)	0.6	(0.4)	125	(400)	1.1	(0.7)	2.9	(1.8)
1053	Hydrogen sulfide	30	(100)	0.2	(0.1)	0.3	(0.2)	215	(700)	1.4	(0.9)	4.3	(2.7)
1053	Hydrogen sulfide, liquefied	30	(100)	0.2	(0.1)	0.3	(0.2)	215	(700)	1.4	(0.9)	4.3	(2.7)
1053	Hydrogen sulphide	30	(100)	0.2	(0.1)	0.3	(0.2)	215	(700)	1.4	(0.9)	4.3	(2.7)
1053	Hydrogen sulphide, liquefied	30	(100)	0.2	(0.1)	0.3	(0.2)	215	(700)	1.4	(0.9)	4.3	(2.7)
1062	Methyl bromide	30	(100)	0.2	(0.1)	0.3	(0.2)	95	(300)	0.5	(0.3)	1.4	(0.9)
1064	Methyl mercaptan	30	(100)	0.2	(0.1)	0.3	(0.2)	95	(300)	0.8	(0.5)	2.7	(1.7)
1067	Dinitrogen tetroxide	30	(100)	0.2	(0.1)	0.5	(0.3)	305	(1000)	1.3	(0.8)	3.9	(2.4)
1067	Dinitrogen tetroxide, liquefied	30	(100)	0.2	(0.1)	0.5	(0.3)	305	(1000)	1.3	(0.8)	3.9	(2.4)
1067	Nitrogen dioxide	30	(100)	0.2	(0.1)	0.5	(0.3)	305	(1000)	1.3	(0.8)	3.9	(2.4)
1067	Nitrogen dioxide, liquefied	30	(100)	0.2	(0.1)	0.5	(0.3)	305	(1000)	1.3	(0.8)	3.9	(2.4)
1067	Nitrogen peroxide, liquid	30	(100)	0.2	(0.1)	0.5	(0.3)	305	(1000)	1.3	(0.8)	3.9	(2.4)
1067	Nitrogen tetroxide, liquid	30	(100)	0.2	(0.1)	0.5	(0.3)	305	(1000)	1.3	(0.8)	3.9	(2.4)
1069	Nitrosyl chloride	30	(100)	0.3	(0.2)	1.4	(0.9)	365	(1200)	3.5	(2.2)	9.8	(6.1)
1071	Oil gas	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.5	(0.3)
1071	Oil gas, compressed	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.5	(0.3)
1076	CG (when used as a weapon)	155	(500)	1.3	(0.8)	3.2	(2.0)	765	(2500)	7.2	(4.5)	11.0+	(7.0+)
1076	DP (when used as a weapon)	60	(200)	0.3	(0.2)	1.0	(0.6)	185	(600)	1.6	(1.0)	4.5	(2.8)
1076	Diphosgene	60	(200)	0.2	(0.1)	0.5	(0.3)	95	(300)	1.0	(0.6)	1.9	(1.2)
1076	Phosgene	95	(300)	0.8	(0.5)	2.7	(1.7)	765	(2500)	6.6	(4.1)	11.0	(6.9)
1079	Sulfur dioxide	30	(100)	0.3	(0.2)	1.1	(0.7)	185	(600)	3.1	(1.9)	7.2	(4.5)

1079	Sulfur dioxide, liquefied	30	(100)	0.3	(0.2)	1.1	(0.7)	185	(600)	3.1	(1.9)	7.2	(4.5)
1079	Sulphur dioxide	30	(100)	0.3	(0.2)	1.1	(0.7)	185	(600)	3.1	(1.9)	7.2	(4.5)
1079	Sulphur dioxide, liquefied	30	(100)	0.3	(0.2)	1.1	(0.7)	185	(600)	3.1	(1.9)	7.2	(4.5)
1082	Trifluorochloroethylene	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.8	(0.5)
1082	Trifluorochloroethylene, inhibited	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.8	(0.5)
1092	Acrolein, inhibited	60	(200)	0.5	(0.3)	1.6	(1.0)	400	(1300)	3.9	(2.4)	7.9	(4.9)
1098	Allyl alcohol	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.6	(0.4)
1135	Ethylene chlorohydrin	30	(100)	0.2	(0.1)	0.3	(0.2)	60	(200)	0.6	(0.4)	1.3	(0.8)
1143	Crotonaldehyde, inhibited	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.8	(0.5)
1143	Crotonaldehyde, stabilized	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	0.8	(0.5)
1162	Dimethyldichlorosilane (when spilled in water)	30	(100)	0.2	(0.1)	0.3	(0.2)	125	(400)	1.1	(0.7)	2.9	(1.8)
1163	1,1-Dimethylhydrazine	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1163	Dimethylhydrazine, unsymmetrical	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.1	(0.7)
1182	Ethyl chloroformate	30	(100)	0.2	(0.1)	0.3	(0.2)	60	(200)	0.6	(0.4)	1.4	(0.9)
1185	Ethyleneimine, inhibited	30	(100)	0.3	(0.2)	0.8	(0.5)	155	(500)	1.4	(0.9)	3.5	(2.2)
1238	Methyl chloroformate	30	(100)	0.3	(0.2)	1.1	(0.7)	155	(500)	1.6	(1.0)	3.4	(2.1)
1239	Methyl chloromethyl ether	30	(100)	0.2	(0.1)	0.6	(0.4)	125	(400)	1.1	(0.7)	2.7	(1.7)
1242	Methyldichlorosilane (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	60	(200)	0.5	(0.3)	1.6	(1.0)
1244	Methylhydrazine	30	(100)	0.3	(0.2)	0.8	(0.5)	125	(400)	1.1	(0.7)	2.7	(1.7)
1250	Methyltrichlorosilane (when spilled in water)	30	(100)	0.2	(0.1)	0.3	(0.2)	125	(400)	1.1	(0.7)	2.9	(1.8)
1251	Methyl vinyl ketone	155	(500)	1.3	(0.8)	3.4	(2.1)	915	(3000)	8.7	(5.4)	11.0+	(7.0+)
1251	Methyl vinyl ketone, stabilized	155	(500)	1.3	(0.8)	3.4	(2.1)	915	(3000)	8.7	(5.4)	11.0+	(7.0+)
1259	Nickel carbonyl	60	(200)	0.6	(0.4)	2.1	(1.3)	215	(700)	2.1	(1.3)	4.3	(2.7)
1295	Trichlorosilane (when spilled in water)	30	(100)	0.2	(0.1)	0.3	(0.2)	125	(400)	1.3	(0.8)	3.2	(2.0)
1298	Trimethylchlorosilane (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	95	(300)	0.8	(0.5)	2.3	(1.4)
1340	Phosphorus pentasulfide, free from yellow or white Phosphorus (when spilled in water)	30	(100)	0.2	(0.1)	0.5	(0.3)	155	(500)	1.3	(0.8)	3.2	(2.0)
1340	Phosphorus pentasulphide, free from yellow or white Phosphorus (when spilled in water)	30	(100)	0.2	(0.1)	0.5	(0.3)	155	(500)	1.3	(0.8)	3.2	(2.0)
1360	Calcium phosphide (when spilled in water)	30	(100)	0.2	(0.1)	0.8	(0.5)	215	(700)	2.1	(1.3)	5.3	(3.3)
1380	Pentaborane	155	(500)	1.3	(0.8)	3.7	(2.3)	765	(2500)	6.6	(4.1)	10.6	(6.6)
1384	Sodium dithionite (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	1.1	(0.7)
1384	Sodium hydrosulfite (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	1.1	(0.7)
1384	Sodium hydrosulphite (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.3	(0.2)	1.1	(0.7)
1397	Aluminum phosphide (when spilled in water)	30	(100)	0.2	(0.1)	0.8	(0.5)	245	(800)	2.4	(1.5)	6.4	(4.0)
1412	Lithium amide (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	95	(300)	0.8	(0.5)	1.9	(1.2)
1419	Magnesium aluminum phosphide (when spilled in water)	30	(100)	0.2	(0.1)	0.8	(0.5)	215	(700)	2.1	(1.3)	5.5	(3.4)
1432	Sodium phosphide (when spilled in water)	30	(100)	0.2	(0.1)	0.5	(0.3)	155	(500)	1.4	(0.9)	4.0	(2.5)
1433	Stannic phosphides (when spilled in water)	30	(100)	0.2	(0.1)	0.8	(0.5)	185	(600)	1.6	(1.0)	4.7	(2.9)
1510	Tetranitromethane	30	(100)	0.3	(0.2)	0.5	(0.3)	60	(200)	0.6	(0.4)	1.3	(0.8)
1541	Acetone cyanohydrin, stabilized (when spilled in water)	30	(100)	0.2	(0.1)	0.2	(0.1)	95	(300)	0.8	(0.5)	2.1	(1.3)
1556	MD (when used as a weapon)	30	(100)	0.3	(0.2)	0.8	(0.5)	125	(400)	1.3	(0.8)	3.5	(2.2)
1556	Methyldichloroarsine	30	(100)	0.2	(0.1)	0.3	(0.2)	60	(200)	0.5	(0.3)	1.0	(0.6)
1556	PD (when used as a weapon)	30	(100)	0.2	(0.1)	0.2	(0.1)	30	(100)	0.2	(0.1)	0.3	(0.2)