

INTRODUCTION TO TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

Table 1 - Initial Isolation and Protective Action Distances suggests distances useful to protect people from vapors resulting from spills involving dangerous goods that are considered toxic by inhalation (TIH), including certain chemical warfare agents, or which produce toxic gases upon contact with water. Table 1 provides first responders with initial guidance until technically qualified emergency response personnel are available. **Distances show areas likely to be affected during the first 30 minutes after materials are spilled and could increase with time.**

The **Initial Isolation Zone** defines an area SURROUNDING the incident in which persons may be exposed to dangerous (upwind) and life threatening (downwind) concentrations of material. The **Protective Action Zone** defines an area DOWNWIND from the incident in which persons may become incapacitated and unable to take protective action and/or incur serious or irreversible health effects. Table 1 provides specific guidance for small and large spills occurring day or night.

Adjusting distances for a specific incident involves many interdependent variables and should be made only by personnel technically qualified to make such adjustments. For this reason, no precise guidance can be provided in this document to aid in adjusting the table distances; however, general guidance follows.

Factors That May Change the Protective Action Distances

The GUIDE for a material (orange-bordered pages) clearly indicates under the section EVACUATION – Fire, the evacuation distance required to protect against fragmentation hazard of a large container. If the material becomes involved in a **FIRE**, the toxic hazard may become less important than the fire or explosion hazard.

If more than one tank car, cargo tank, portable tank, or large cylinder involved in the incident is leaking, LARGE SPILL distances may need to be increased.

For a material with a protective action distance of 11.0+ km (7.0+ miles), the actual distance can be larger in certain atmospheric conditions. If the dangerous goods vapor plume is channeled in a valley or between many tall buildings, distances may be larger than shown in Table 1 due to less mixing of the plume with the atmosphere. Daytime spills in regions with known strong inversions or snow cover, or occurring near sunset, may require an increase of the protective action distance because airborne contaminants mix and disperse more slowly and may travel much farther downwind. In such cases, the nighttime protective action distance may be more appropriate. In addition, protective action distances may be larger for liquid spills when either the material or outdoor temperature exceeds 30°C (86°F).

Materials which react with water to produce large amounts of toxic gases are included in Table 1 - Initial Isolation and Protective Action Distances. Note that some

water-reactive materials (WRM) which are also TIH (e.g., Bromine trifluoride (1746), Thionyl chloride (1836), etc.) produce additional TIH materials when spilled in water. For these materials, two entries are provided in Table 1 - Initial Isolation and Protective Action Distances (i.e., for spills on land and for spills in water). If it is not clear whether the spill is on land or in water, or in cases where the spill occurs both on land and in water, choose the larger Protective Action Distance. Following Table 1, Table 2 – Materials which produce large amounts of Toxic Inhalation Hazard gases (TIH) when spilled in water lists the toxic gases that are produced when these water-reactive materials (WRM) are spilled in water.

When a water-reactive TIH producing material is spilled into a river or stream, the source of the toxic gas may move with the current and stretch from the spill point downstream for a substantial distance.

Initial isolation and protective action distances in this guidebook are derived from historical data on transportation incidents and the use of statistical models. For worst case scenarios involving the instantaneous release of the entire contents of a package (e.g., as a result of terrorism, sabotage or catastrophic accident) the distances may increase substantially. For such events, doubling of the initial isolation and protective action distances is appropriate in absence of other information.

PROTECTIVE ACTION DECISION FACTORS TO CONSIDER

The choice of protective actions for a given situation depends on a number of factors. For some cases, evacuation may be the best option; in others, sheltering in-place may be the best course. Sometimes, these two actions may be used in combination. In any emergency, officials need to quickly give the public instructions. The public will need continuing information and instructions while being evacuated or sheltered in-place.

Proper evaluation of the factors listed below will determine the effectiveness of evacuation or in-place protection. The importance of these factors can vary with emergency conditions. In specific emergencies, other factors may need to be identified and considered as well. This list indicates what kind of information may be needed to make the initial decision.

The Dangerous Goods

- Degree of health hazard
- Chemical and physical properties
- Amount involved
- Containment/control of release
- Rate of vapor movement

The Population Threatened

- Location
- Number of people
- Time available to evacuate or shelter in-place
- Ability to control evacuation or shelter in-place
- Building types and availability
- Special institutions or populations, e.g., nursing homes, hospitals, prisons

Weather Conditions

- Effect on vapor and cloud movement
- Potential for change
- Effect on evacuation or protection in-place

PROTECTIVE ACTIONS

Protective Actions are those steps taken to preserve the health and safety of emergency responders and the public during an incident involving releases of dangerous goods. Table 1 - Initial Isolation and Protective Action Distances (green-bordered pages) predicts the size of downwind areas which could be affected by a cloud of toxic gas. People in this area should be evacuated and/or sheltered in-place inside buildings.

Isolate Hazard Area and Deny Entry means keep everybody away from the area if they are not directly involved in emergency response operations. Unprotected emergency responders should not be allowed to enter the isolation zone. This “isolation” task is done first to establish control over the area of operations. This is the first step for any protective actions that may follow. See Table 1 - Isolation and Protective Action Distances (green-bordered pages) for more detailed information on specific materials.

Evacuate means move all people from a threatened area to a safer place. To perform an evacuation, there must be enough time for people to be warned, to get ready, and to leave an area. If there is enough time, evacuation is the best protective action. Begin evacuating people nearby and those outdoors in direct view of the scene. When additional help arrives, expand the area to be evacuated downwind and crosswind to at least the extent recommended in this guidebook. Even after people move to the distances recommended, they may not be completely safe from harm. They should not be permitted to congregate at such distances. Send evacuees to a definite place, by a specific route, far enough away so they will not have to be moved again if the wind shifts.

Shelter In-Place means people should seek shelter inside a building and remain inside until the danger passes. **Sheltering in-place is used when evacuating the public would cause greater risk than staying where they are, or when an evacuation cannot be performed.** Direct the people inside to **close all doors and windows** and to **shut off all ventilating, heating and cooling systems.** In-place protection may not be the best option if (a) the vapors are flammable; (b) if it will take a long time for the gas to clear the area; or (c) if buildings cannot be closed tightly. Vehicles can offer some protection for a short period if the windows are closed and the ventilating systems are shut off. Vehicles are not as effective as buildings for in-place protection.

It is vital to maintain communications with competent persons inside the building so that they are advised about changing conditions. **Persons protected-in-place should be warned to stay far from windows** because of the danger from glass and projected metal fragments in a fire and/or explosion.

Every dangerous goods incident is different. Each will have special problems and concerns. Action to protect the public must be selected carefully. These pages can help with **initial** decisions on how to protect the public. Officials must continue to gather information and monitor the situation until the threat is removed.

BACKGROUND ON TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

Initial Isolation and Protective Action Distances in this guidebook were determined for small and large spills occurring during day or night. The overall analysis was statistical in nature and utilized state-of-the-art emission rate and dispersion models; statistical release data from the U.S. DOT HMIS (Hazardous Materials Incident Reporting System) database; meteorological observations from over 120 locations in United States, Canada and Mexico; and the most current toxicological exposure guidelines.

For each chemical, thousands of hypothetical releases were modeled to account for the statistical variation in both release amount and atmospheric conditions. Based on this statistical sample, the 90% percentile Protective Action Distance for each chemical and category was selected to appear in the Table. A brief description of the analysis is provided below. A detailed report outlining the methodology and data used in the generation of the Initial Isolation and Protective Action Distances may be obtained from the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Release amounts and emission rates into the atmosphere were statistically modeled based on (1) data from the U.S. DOT HMIS database; (2) container types and sizes authorized for transport as specified in 49 CFR §172.101 and Part 173; (3) physical properties of the individual materials, and (4) atmospheric data from a historical database. The emission model calculated the release of vapor due to evaporation of pools on the ground, direct release of vapors from the container, or a combination of both, as would occur for liquefied gases which can flash to form both a vapor/aerosol mixture and an evaporating pool. In addition, the emission model also calculated the emission of toxic vapor by-products generated from spilling water-reactive materials in water. Spills that involve releases of approximately 200 liters (300 kg for solids) or less are considered Small Spills, while spills that involve quantities greater than 200 liters (300 kg for solids) are considered Large Spills. An exception to this is certain chemical warfare agents where Small Spills include releases up to 2 kg, and Large Spills include releases up to 25 kg. These agents are BZ, CX, GA, GB, GD, GF, HD, HL, HN1, HN2, HN3, L and VX.

Downwind dispersion of the vapor was estimated for each case modeled. Atmospheric parameters affecting the dispersion, and the emission rate, were selected in a statistical fashion from a database containing hourly meteorological data from 120 cities in the United States, Canada and Mexico. The dispersion calculation accounted for the time dependent emission rate from the source as well as the density of the vapor plume (i.e., heavy gas effects). Since atmospheric mixing is less effective at dispersing vapor plumes during nighttime, day and night were separated in the analysis. In Table 1, "Day" refers to time periods after sunrise and before sunset, while "Night" includes all hours between sunset and sunrise.

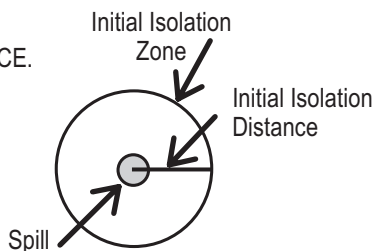
Toxicological short-term exposure guidelines for the materials were applied to determine the downwind distance to which persons may become incapacitated and unable to take protective action or may incur serious health effects. When available, toxicological exposure guidelines were chosen from AEGL-2 or ERPG-2 emergency response guidelines, with AEGL-2 values being the first choice. For materials that do not have AEGL-2 or ERPG-2 values, emergency response guidelines estimated from lethal concentration limits derived from animal studies were used, as recommended by an independent panel of toxicological experts from industry and academia.

HOW TO USE TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

- (1) The responder should already have:
 - Identified the material by its ID Number and Name; (if an ID Number cannot be found, use the Name of Material index in the blue-bordered pages to locate that number.)
 - Found the three-digit guide for that material in order to consult the emergency actions recommended jointly with this table;
 - **Noted the wind direction.**
- (2) Look in Table 1 (the green-bordered pages) for the ID Number and Name of the Material involved in the incident. Some ID Numbers have more than one shipping name listed—look for the specific name of the material. (If the shipping name is not known and Table 1 lists more than one name for the same ID Number, use the entry with the largest protective action distances.)
- (3) Determine if the incident involves a SMALL or LARGE spill and if DAY or NIGHT. Generally, a SMALL SPILL is one which involves a single, small package (e.g., a drum containing up to approximately 200 liters), a small cylinder, or a small leak from a large package. A LARGE SPILL is one which involves a spill from a large package, or multiple spills from many small packages. DAY is any time after sunrise and before sunset. NIGHT is any time between sunset and sunrise.

- (4) Look up the INITIAL ISOLATION DISTANCE.

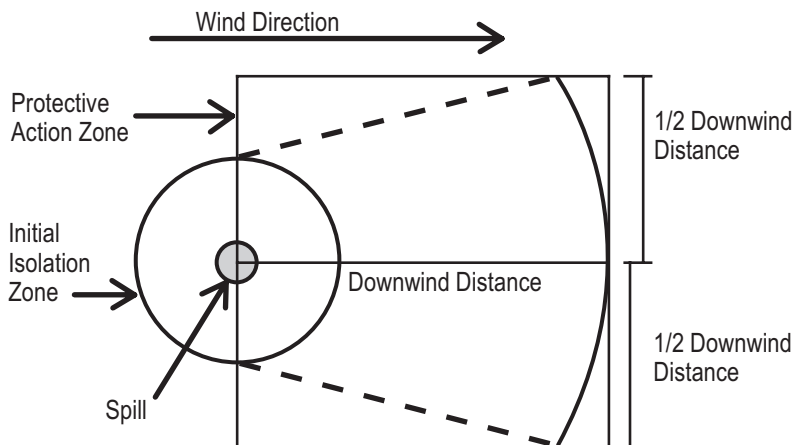
Direct all persons to move, in a crosswind direction, away from the spill to the distance specified—in meters and feet.



- (5) Look up the initial PROTECTIVE ACTION DISTANCE shown in Table 1. For a given material, spill size, and whether day or night, Table 1 gives the downwind distance—in kilometers and miles—for which protective actions should be considered. For practical purposes, the Protective Action Zone (i.e., the area in which people are at risk of harmful exposure) is a square, whose length and width are the same as the downwind distance shown in Table 1.

- (6) Initiate Protective Actions to the extent possible, beginning with those closest to the spill site and working away from the site in the downwind direction. When a water-reactive TIH producing material is spilled into a river or stream, the source of the toxic gas may move with the current or stretch from the spill point downstream for a substantial distance.

The shape of the area in which protective actions should be taken (the Protective Action Zone) is shown in this figure. The spill is located at the center of the small circle. The larger circle represents the INITIAL ISOLATION zone around the spill.



NOTE 1: See "Introduction To Table 1 - Initial Isolation And Protective Action Distances" for factors which may increase or decrease Protective Action Distances.

NOTE 2: See Table 2 – Water-Reactive Materials which Produce Toxic Gases for the list of gases produced when these materials are spilled in water.

Call the emergency response telephone number listed on the shipping paper, or the appropriate response agency as soon as possible for additional information on the material, safety precautions, and mitigation procedures.

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)	Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)				
1005	Ammonia, anhydrous	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.8 km	(0.5 mi)	2.3 km	(1.4 mi)
1005	Anhydrous ammonia												
1008	Boron trifluoride	30 m	(100 ft)	0.1 km	(0.1 mi)	0.6 km	(0.4 mi)	300 m	(1000 ft)	1.9 km	(1.2 mi)	4.8 km	(3.0 mi)
1008	Boron trifluoride, compressed												
1016	Carbon monoxide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
1016	Carbon monoxide, compressed												
1017	Chlorine	60 m	(200 ft)	0.4 km	(0.3 mi)	1.6 km	(1.0 mi)	600 m	(2000 ft)	3.5 km	(2.2 mi)	8.0 km	(5.0 mi)
1023	Coal gas	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.3 km	(0.2 mi)	0.4 km	(0.3 mi)
1023	Coal gas, compressed												
1026	Cyanogen	30 m	(100 ft)	0.2 km	(0.1 mi)	0.9 km	(0.5 mi)	150 m	(500 ft)	1.0 km	(0.7 mi)	3.5 km	(2.2 mi)
1026	Cyanogen gas												
1040	Ethylene oxide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.8 km	(0.5 mi)	2.5 km	(1.6 mi)
1040	Ethylene oxide with Nitrogen												
1045	Fluorine	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	150 m	(500 ft)	0.8 km	(0.5 mi)	3.1 km	(1.9 mi)
1045	Fluorine, compressed												
1048	Hydrogen bromide, anhydrous	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.3 mi)	300 m	(1000 ft)	1.5 km	(1.0 mi)	4.5 km	(2.8 mi)
1050	Hydrogen chloride, anhydrous	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.2 mi)	60 m	(200 ft)	0.3 km	(0.2 mi)	1.4 km	(0.9 mi)
1051	AC (when used as a weapon)	100 m	(300 ft)	0.3 km	(0.2 mi)	1.1 km	(0.7 mi)	1000 m	(3000 ft)	3.8 km	(2.4 mi)	7.2 km	(4.5 mi)
1051	Hydrocyanic acid, aqueous solutions, with more than 20% Hydrogen cyanide	60 m	(200 ft)	0.2 km	(0.1 mi)	0.6 km	(0.4 mi)	400 m	(1250 ft)	1.6 km	(1.0 mi)	4.1 km	(2.5 mi)
1051	Hydrogen cyanide, anhydrous, stabilized												
1051	Hydrogen cyanide, stabilized												
1052	Hydrogen fluoride, anhydrous	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.3 mi)	300 m	(1000 ft)	1.7 km	(1.1 mi)	3.6 km	(2.2 mi)

1053	Hydrogen sulfide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.3 mi)	300 m	(1000 ft)	2.0 km	(1.3 mi)	6.2 km	(3.9 mi)
1053	Hydrogen sulphide												
1062	Methyl bromide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.4 mi)	2.2 km	(1.4 mi)
1064	Methyl mercaptan	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	200 m	(600 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
1067	Dinitrogen tetroxide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.2 mi)	400 m	(1250 ft)	1.1 km	(0.7 mi)	3.0 km	(1.9 mi)
1067	Nitrogen dioxide												
1069	Nitrosyl chloride	30 m	(100 ft)	0.2 km	(0.2 mi)	1.1 km	(0.7 mi)	800 m	(2500 ft)	4.2 km	(2.6 mi)	11.0+ km	(7.0+ mi)
1071	Oil gas	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.3 km	(0.2 mi)	0.4 km	(0.3 mi)
1071	Oil gas, compressed												
1076	CG (when used as a weapon)	200 m	(600 ft)	1.1 km	(0.7 mi)	4.0 km	(2.5 mi)	1000 m	(3000 ft)	7.5 km	(4.7 mi)	11.0+ km	(7.0+ mi)
1076	Diphosgene	30 m	(100 ft)	0.2 km	(0.1 mi)	0.2 km	(0.1 mi)	30 m	(100 ft)	0.4 km	(0.2 mi)	0.5 km	0.3 mi)
1076	DP (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.2 mi)	0.7 km	(0.5 mi)	200 m	(600 ft)	1.1 km	(0.7 mi)	2.6 km	(1.6 mi)
1076	Phosgene	100 m	(300 ft)	0.7 km	(0.4 mi)	2.6 km	(1.6 mi)	500 m	(1500 ft)	3.3 km	(2.0 mi)	9.7 km	(6.1 mi)
1079	Sulfur dioxide	60 m	(200 ft)	0.3 km	(0.2 mi)	1.2 km	(0.7 mi)	400 m	(1250 ft)	2.1 km	(1.3 mi)	5.7 km	(3.6 mi)
1079	Sulphur dioxide												
1082	Trifluorochloroethylene, stabilized	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.3 mi)	1.0 km	(0.6 mi)
1092	Acrolein, stabilized	100 m	(300 ft)	1.1 km	(0.7 mi)	3.3 km	(2.0 mi)	1000 m	(3000 ft)	11.0+ km	(7.0+ mi)	11.0+ km	(7.0+ mi)
1098	Allyl alcohol	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	1.1 km	(0.7 mi)
1135	Ethylene chlorohydrin	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.7 km	(0.5 mi)	1.2 km	(0.7 mi)
1143	Crotonaldehyde	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.3 mi)	0.7 km	(0.5 mi)
1143	Crotonaldehyde, stabilized												
1162	Dimethyldichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	2.0 km	(1.3 mi)
1163	1,1-Dimethylhydrazine	30 m	(100 ft)	0.2 km	(0.1 mi)	0.5 km	(0.4 mi)	100 m	(300 ft)	1.3 km	(0.8 mi)	2.4 km	(1.5 mi)
1163	Dimethylhydrazine, unsymmetrical												
1182	Ethyl chloroformate	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.3 mi)	0.7 km	(0.4 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

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		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-		
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)	
1183	Ethylidichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)		60 m	(200 ft)	0.7 km (0.4 mi)	2.2 km (1.4 mi)	
1185	Ethyleneimine, stabilized	30 m	(100 ft)	0.2 km (0.1 mi)	0.5 km (0.3 mi)		100 m	(300 ft)	1.1 km (0.7 mi)	2.2 km (1.4 mi)	
1196	Ethyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)		300 m	(1000 ft)	0.8 km (0.5 mi)	2.7 km (1.7 mi)	
1238	Methyl chloroformate	30 m	(100 ft)	0.2 km (0.2 mi)	0.6 km (0.4 mi)		150 m	(500 ft)	1.2 km (0.8 mi)	2.5 km (1.6 mi)	
1239	Methyl chloromethyl ether	30 m	(100 ft)	0.3 km (0.2 mi)	1.1 km (0.7 mi)		200 m	(600 ft)	2.5 km (1.5 mi)	5.1 km (3.2 mi)	
1242	Methyldichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)		60 m	(200 ft)	0.8 km (0.5 mi)	2.5 km (1.6 mi)	
1244	Methylhydrazine	30 m	(100 ft)	0.3 km (0.2 mi)	0.7 km (0.4 mi)		150 m	(500 ft)	1.5 km (1.0 mi)	2.5 km (1.5 mi)	
1250	Methyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.2 mi)		60 m	(200 ft)	0.6 km (0.4 mi)	2.0 km (1.3 mi)	
1251	Methyl vinyl ketone, stabilized	150 m	(500 ft)	1.6 km (1.0 mi)	3.6 km (2.3 mi)		1000 m	(3000 ft)	11.0+ km (7.0+ mi)	11.0+ km (7.0+ mi)	
1259	Nickel carbonyl	150 m	(500 ft)	1.4 km (0.9 mi)	4.9 km (3.1 mi)		1000 m	(3000 ft)	11.0+ km (7.0+ mi)	11.0+ km (7.0+ mi)	
1295	Trichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)		60 m	(200 ft)	0.7 km (0.5 mi)	2.3 km (1.4 mi)	
1298	Trimethylchlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)		30 m	(100 ft)	0.4 km (0.3 mi)	1.2 km (0.7 mi)	
1305	Vinyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.2 mi)		60 m	(200 ft)	0.6 km (0.4 mi)	2.0 km (1.3 mi)	
1305	Vinyltrichlorosilane, stabilized (when spilled in water)										

1340	Phosphorus pentasulfide, free from yellow and white Phosphorus (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.4 km (0.2 mi)	1.5 km (0.9 mi)
1340	Phosphorus pentasulphide, free from yellow and white Phosphorus (when spilled in water)						
1360	Calcium phosphide (when spilled in water)	60 m (200 ft)	0.4 km (0.2 mi)	1.5 km (0.9 mi)	500 m (1500 ft)	4.4 km (2.8 mi)	11.0+ km (7.0+ mi)
1380	Pentaborane	60 m (200 ft)	0.7 km (0.4 mi)	2.3 km (1.4 mi)	400 m (1250 ft)	4.6 km (2.9 mi)	8.9 km (5.5 mi)
1384	Sodium dithionite (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	1.2 km (0.7 mi)
1384	Sodium hydrosulfite (when spilled in water)						
1384	Sodium hydrosulphite (when spilled in water)						
1397	Aluminum phosphide (when spilled in water)	60 m (200 ft)	0.5 km (0.3 mi)	1.9 km (1.2 mi)	600 m (2000 ft)	5.7 km (3.6 mi)	11.0+ km (7.0+ mi)
1412	Lithium amide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	1.0 km (0.6 mi)
1419	Magnesium aluminum phosphide (when spilled in water)	60 m (200 ft)	0.4 km (0.3 mi)	1.7 km (1.1 mi)	600 m (2000 ft)	5.3 km (3.3 mi)	11.0+ km (7.0+ mi)
1432	Sodium phosphide (when spilled in water)	30 m (100 ft)	0.3 km (0.2 mi)	1.2 km (0.8 mi)	400 m (1250 ft)	3.5 km (2.2 mi)	10.6 km (6.6 mi)
1510	Tetranitromethane	30 m (100 ft)	0.2 km (0.2 mi)	0.4 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	1.0 km (0.6 mi)
1541	Acetone cyanohydrin, stabilized (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	100 m (300 ft)	0.3 km (0.2 mi)	1.0 km (0.7 mi)
1556	MD (when used as a weapon)	30 m (100 ft)	0.2 km (0.1 mi)	0.5 km (0.4 mi)	150 m (500 ft)	0.7 km (0.4 mi)	2.2 km (1.4 mi)
1556	Methyldichloroarsine	30 m (100 ft)	0.2 km (0.1 mi)	0.2 km (0.2 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)
1556	PD (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.2 km (0.1 mi)	0.2 km (0.1 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)	
1560	Arsenic chloride	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	100 m	(300 ft)	1.1 km	(0.7 mi)	1.8 km	(1.1 mi)
1560	Arsenic trichloride												
1569	Bromoacetone	30 m	(100 ft)	0.2 km	(0.2 mi)	0.8 km	(0.5 mi)	100 m	(300 ft)	1.1 km	(0.7 mi)	2.3 km	(1.5 mi)
1580	Chloropicrin	30 m	(100 ft)	0.4 km	(0.3 mi)	1.0 km	(0.6 mi)	150 m	(500 ft)	1.9 km	(1.2 mi)	3.3 km	(2.1 mi)
1581	Chloropicrin and Methyl bromide mixture	30 m	(100 ft)	0.1 km	(0.1 mi)	0.6 km	(0.4 mi)	300 m	(1000 ft)	2.1 km	(1.3 mi)	5.9 km	(3.7 mi)
1581	Methyl bromide and Chloropicrin mixture												
1582	Chloropicrin and Methyl chloride mixture	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.3 mi)	60 m	(200 ft)	0.4 km	(0.2 mi)	1.7 km	(1.1 mi)
1582	Methyl chloride and Chloropicrin mixture												
1583	Chloropicrin mixture, n.o.s.	30 m	(100 ft)	0.4 km	(0.3 mi)	1.0 km	(0.6 mi)	150 m	(500 ft)	1.9 km	(1.2 mi)	3.3 km	(2.1 mi)
1589	CK (when used as a weapon)	60 m	(200 ft)	0.4 km	(0.3 mi)	1.5 km	(1.0 mi)	600 m	(2000 ft)	4.1 km	(2.5 mi)	8.0 km	(5.0 mi)
1589	Cyanogen chloride, stabilized	100 m	(300 ft)	0.4 km	(0.3 mi)	1.5 km	(0.9 mi)	400 m	(1250 ft)	3.1 km	(2.0 mi)	6.8 km	(4.3 mi)
1595	Dimethyl sulfate	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.7 km	(0.5 mi)
1595	Dimethyl sulphate												
1605	Ethylene dibromide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.3 km	(0.2 mi)	0.5 km	(0.3 mi)
1612	Hexaethyl tetraphosphate and compressed gas mixture	100 m	(300 ft)	0.8 km	(0.5 mi)	2.7 km	(1.7 mi)	400 m	(1250 ft)	3.5 km	(2.2 mi)	8.1 km	(5.1 mi)
1613	Hydrocyanic acid, aqueous solution, with not more than 20% Hydrogen cyanide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	1.1 km	(0.7 mi)
1613	Hydrogen cyanide, aqueous solution, with not more than 20% Hydrogen cyanide												

1614	Hydrogen cyanide, stabilized (absorbed)	60 m (200 ft)	0.2 km (0.1 mi)	0.6 km (0.4 mi)	150 m (500 ft)	0.6 km (0.4 mi)	1.7 km (1.1 mi)
1647	Ethylene dibromide and Methyl bromide mixture, liquid	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.4 mi)	2.2 km (1.4 mi)
1647	Methyl bromide and Ethylene dibromide mixture, liquid						
1660	Nitric oxide	30 m (100 ft)	0.1 km (0.1 mi)	0.6 km (0.4 mi)	100 m (300 ft)	0.6 km (0.4 mi)	2.2 km (1.4 mi)
1660	Nitric oxide, compressed						
1670	Perchloromethyl mercaptan	30 m (100 ft)	0.2 km (0.2 mi)	0.4 km (0.2 mi)	100 m (300 ft)	0.8 km (0.5 mi)	1.4 km (0.9 mi)
1680	Potassium cyanide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	100 m (300 ft)	0.3 km (0.2 mi)	1.2 km (0.8 mi)
1680	Potassium cyanide, solid (when spilled in water)						
1689	Sodium cyanide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	100 m (300 ft)	0.4 km (0.3 mi)	1.4 km (0.9 mi)
1689	Sodium cyanide, solid (when spilled in water)						
1694	CA (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.3 mi)	100 m (300 ft)	0.6 km (0.4 mi)	2.7 km (1.7 mi)
1695	Chloroacetone, stabilized	30 m (100 ft)	0.2 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	1.1 km (0.7 mi)
1697	CN (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.3 km (0.2 mi)	1.4 km (0.9 mi)
1698	Adamsite (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.3 km (0.2 mi)	1.4 km (0.9 mi)
1698	DM (when used as a weapon)						
1699	DA (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.6 km (0.4 mi)	200 m (600 ft)	1.0 km (0.6 mi)	3.8 km (2.4 mi)
1716	Acetyl bromide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	1.7 km (1.1 mi)
1717	Acetyl chloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	100 m (300 ft)	0.9 km (0.6 mi)	2.8 km (1.8 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)	
1722	Allyl chlorocarbonate	100 m	(300 ft)	1.2 km	(0.8 mi)	2.8 km	(1.8 mi)	600 m	(2000 ft)	7.8 km	(4.9 mi)	11.0+ km	(7.0+ mi)
1722	Allyl chloroformate												
1724	Allyltrichlorosilane, stabilized (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.2 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	1.9 km	(1.2 mi)
1725	Aluminum bromide, anhydrous (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	30 m	(100 ft)	0.4 km	(0.2 mi)	1.2 km	(0.8 mi)
1726	Aluminum chloride, anhydrous (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	2.1 km	(1.3 mi)
1728	Amyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.2 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	1.9 km	(1.2 mi)
1732	Antimony pentafluoride (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.3 mi)	150 m	(500 ft)	1.2 km	(0.8 mi)	4.0 km	(2.5 mi)
1741	Boron trichloride (when spilled on land)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	100 m	(300 ft)	0.6 km	(0.4 mi)	1.5 km	(1.0 mi)
1741	Boron trichloride (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.3 mi)	100 m	(300 ft)	1.3 km	(0.8 mi)	3.9 km	(2.4 mi)
1744	Bromine	60 m	(200 ft)	0.6 km	(0.4 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	3.1 km	(1.9 mi)	6.6 km	(4.1 mi)
1744	Bromine, solution												
1744	Bromine, solution (Inhalation Hazard Zone A)												
1744	Bromine, solution (Inhalation Hazard Zone B)	30 m	(100 ft)	0.5 km	(0.3 mi)	1.1 km	(0.7 mi)	150 m	(500 ft)	1.9 km	(1.2 mi)	3.4 km	(2.1 mi)
1745	Bromine pentafluoride (when spilled on land)	30 m	(100 ft)	0.2 km	(0.2 mi)	0.9 km	(0.6 mi)	150 m	(500 ft)	1.5 km	(0.9 mi)	3.2 km	(2.0 mi)
1745	Bromine pentafluoride (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.4 mi)	150 m	(500 ft)	1.3 km	(0.8 mi)	4.2 km	(2.6 mi)

1746	Bromine trifluoride (when spilled on land)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.3 mi)
1746	Bromine trifluoride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)	100 m (300 ft)	1.1 km (0.7 mi)	3.9 km (2.4 mi)
1747	Butyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.4 km (0.2 mi)	1.2 km (0.7 mi)
1749	Chlorine trifluoride	60 m (200 ft)	0.4 km (0.3 mi)	1.8 km (1.1 mi)	400 m (1250 ft)	2.7 km (1.7 mi)	7.2 km (4.5 mi)
1752	Chloroacetyl chloride (when spilled on land)	30 m (100 ft)	0.3 km (0.2 mi)	0.7 km (0.4 mi)	150 m (500 ft)	1.4 km (0.9 mi)	2.3 km (1.5 mi)
1752	Chloroacetyl chloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.9 km (0.5 mi)
1753	Chlorophenyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	1.0 km (0.7 mi)
1754	Chlorosulfonic acid (when spilled on land)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.4 km (0.3 mi)
1754	Chlorosulfonic acid (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)	60 m (200 ft)	1.0 km (0.6 mi)	2.9 km (1.8 mi)
1754	Chlorosulfonic acid and Sulfur trioxide mixture (when spilled on land)	60 m (200 ft)	0.4 km (0.2 mi)	1.0 km (0.6 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)
1754	Chlorosulfonic acid and Sulfur trioxide mixture (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)	60 m (200 ft)	1.0 km (0.6 mi)	2.9 km (1.8 mi)
1754	Chlorosulphonic acid (when spilled on land)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.4 km (0.3 mi)
1754	Chlorosulphonic acid (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)	60 m (200 ft)	1.0 km (0.6 mi)	2.9 km (1.8 mi)
1754	Chlorosulphonic acid and Sulphur trioxide mixture (when spilled on land)	60 m (200 ft)	0.4 km (0.2 mi)	1.0 km (0.6 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)				
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-		
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)	
1754	Chlorosulphonic acid and Sulphur trioxide mixture (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)		60 m	(200 ft)	1.0 km (0.6 mi)	2.9 km (1.8 mi)	
1754	Sulfur trioxide and Chlorosulfonic acid mixture (when spilled on land)	60 m	(200 ft)	0.4 km (0.2 mi)	1.0 km (0.6 mi)		300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)	
1754	Sulfur trioxide and Chlorosulfonic acid mixture (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)		60 m	(200 ft)	1.0 km (0.6 mi)	2.9 km (1.8 mi)	
1754	Sulphur trioxide and Chlorosulphonic acid mixture (when spilled on land)	60 m	(200 ft)	0.4 km (0.2 mi)	1.0 km (0.6 mi)		300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)	
1754	Sulphur trioxide and Chlorosulphonic acid mixture (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)		60 m	(200 ft)	1.0 km (0.6 mi)	2.9 km (1.8 mi)	
1758	Chromium oxychloride (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)		30 m	(100 ft)	0.2 km (0.2 mi)	0.8 km (0.5 mi)	
1762	Cyclohexenyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		30 m	(100 ft)	0.4 km (0.3 mi)	1.4 km (0.9 mi)	
1763	Cyclohexyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		30 m	(100 ft)	0.4 km (0.3 mi)	1.4 km (0.9 mi)	
1765	Dichloroacetyl chloride (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)		30 m	(100 ft)	0.3 km (0.2 mi)	1.0 km (0.6 mi)	
1766	Dichlorophenyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.2 mi)		60 m	(200 ft)	0.7 km (0.4 mi)	2.2 km (1.4 mi)	
1767	Diethylchlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)		30 m	(100 ft)	0.4 km (0.2 mi)	1.1 km (0.7 mi)	
1769	Diphenyldichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)		30 m	(100 ft)	0.2 km (0.2 mi)	0.6 km (0.4 mi)	

1771	Dodecyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.4 km (0.9 mi)
1777	Fluorosulfonic acid (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.2 km (0.2 mi)	0.8 km (0.5 mi)
1777	Fluorosulphonic acid (when spilled in water)						
1781	Hexadecyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.2 km (0.2 mi)	0.7 km (0.4 mi)
1784	Hexyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.5 km (0.9 mi)
1799	Nonyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)
1800	Octadecyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	30 m (100 ft)	0.4 km (0.3 mi)	1.4 km (0.9 mi)
1801	Octyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)
1804	Phenyltrichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)
1806	Phosphorus pentachloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.2 mi)	30 m (100 ft)	0.4 km (0.3 mi)	1.6 km (1.0 mi)
1808	Phosphorus tribromide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	2.0 km (1.2 mi)
1809	Phosphorus trichloride (when spilled on land)	30 m (100 ft)	0.2 km (0.2 mi)	0.7 km (0.4 mi)	150 m (500 ft)	1.5 km (0.9 mi)	3.0 km (1.9 mi)
1809	Phosphorus trichloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	60 m (200 ft)	0.8 km (0.5 mi)	2.8 km (1.7 mi)
1810	Phosphorus oxychloride (when spilled on land)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.4 mi)	100 m (300 ft)	1.1 km (0.7 mi)	2.0 km (1.3 mi)
1810	Phosphorus oxychloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.7 km (0.5 mi)	2.3 km (1.4 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)				
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-		
		Meters	(Feet)	DAY	NIGHT		Meters	(Feet)	DAY	NIGHT	
				Kilometers (Miles)	Kilometers (Miles)	Kilometers (Miles)			Kilometers (Miles)		
1815	Propionyl chloride (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m	(100 ft)	0.3 km (0.2 mi)	0.8 km (0.5 mi)	
1816	Propyltrichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.2 mi)	0.2 km (0.2 mi)	60 m	(200 ft)	0.6 km (0.4 mi)	2.0 km (1.3 mi)	
1818	Silicon tetrachloride (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	0.3 km (0.2 mi)	100 m	(300 ft)	0.9 km (0.6 mi)	2.9 km (1.8 mi)	
1828	Sulfur chlorides (when spilled on land)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.7 km (0.5 mi)	1.2 km (0.8 mi)	
1828	Sulfur chlorides (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	0.2 km (0.1 mi)	30 m	(100 ft)	0.4 km (0.2 mi)	1.2 km (0.8 mi)	
1828	Sulphur chlorides (when spilled on land)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.7 km (0.5 mi)	1.2 km (0.8 mi)	
1828	Sulphur chlorides (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	0.2 km (0.1 mi)	30 m	(100 ft)	0.4 km (0.2 mi)	1.2 km (0.8 mi)	
1829	Sulfur trioxide, inhibited	60 m	(200 ft)	0.4 km (0.2 mi)	1.0 km (0.6 mi)	1.0 km (0.6 mi)	300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)	
1829	Sulfur trioxide, stabilized										
1829	Sulfur trioxide, uninhibited										
1829	Sulphur trioxide, inhibited										
1829	Sulphur trioxide, stabilized										
1829	Sulphur trioxide, uninhibited										
1831	Sulfuric acid, fuming	60 m	(200 ft)	0.4 km (0.2 mi)	1.0 km (0.6 mi)	1.0 km (0.6 mi)	300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)	
1831	Sulfuric acid, fuming, with not less than 30% free Sulfur trioxide										
1831	Sulphuric acid, fuming										
1831	Sulphuric acid, fuming, with not less than 30% free Sulphur trioxide										

1834	Sulfuryl chloride (when spilled on land)	30 m (100 ft)	0.2 km (0.1 mi)	0.5 km (0.4 mi)	100 m (300 ft)	1.0 km (0.6 mi)	2.1 km (1.3 mi)
1834	Sulfuryl chloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.8 km (1.2 mi)
1834	Sulphuryl chloride (when spilled on land)	30 m (100 ft)	0.2 km (0.1 mi)	0.5 km (0.4 mi)	100 m (300 ft)	1.0 km (0.6 mi)	2.1 km (1.3 mi)
1834	Sulphuryl chloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.8 km (1.2 mi)
1836	Thionyl chloride (when spilled on land)	30 m (100 ft)	0.3 km (0.2 mi)	0.7 km (0.5 mi)	100 m (300 ft)	0.9 km (0.6 mi)	1.9 km (1.2 mi)
1836	Thionyl chloride (when spilled in water)	30 m (100 ft)	0.3 km (0.2 mi)	1.4 km (0.9 mi)	300 m (1000 ft)	3.3 km (2.1 mi)	7.5 km (4.7 mi)
1838	Titanium tetrachloride (when spilled on land)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)
1838	Titanium tetrachloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.6 km (0.4 mi)	1.9 km (1.2 mi)
1859	Silicon tetrafluoride	30 m (100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)	100 m (300 ft)	0.5 km (0.3 mi)	1.9 km (1.2 mi)
1859	Silicon tetrafluoride, compressed						
1892	ED (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	150 m (500 ft)	0.8 km (0.5 mi)	1.9 km (1.2 mi)
1892	Ethylchloroarsine	30 m (100 ft)	0.2 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	0.9 km (0.6 mi)
1898	Acetyl iodide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.4 km (0.9 mi)
1911	Diborane	60 m (200 ft)	0.3 km (0.2 mi)	1.2 km (0.8 mi)	300 m (1000 ft)	1.7 km (1.1 mi)	4.3 km (2.7 mi)
1911	Diborane, compressed						
1923	Calcium dithionite (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.2 mi)	30 m (100 ft)	0.3 km (0.2 mi)	1.2 km (0.8 mi)
1923	Calcium hydrosulfite (when spilled in water)						
1923	Calcium hydrosulphite (when spilled in water)						

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY		NIGHT	Meters	(Feet)	DAY		NIGHT		
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)			
1929	Potassium dithionite (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	30 m	(100 ft)	0.3 km	(0.2 mi)	1.1 km	(0.7 mi)
1929	Potassium hydrosulfite (when spilled in water)												
1929	Potassium hydrosulphite (when spilled in water)												
1931	Zinc dithionite (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	30 m	(100 ft)	0.3 km	(0.2 mi)	1.1 km	(0.7 mi)
1931	Zinc hydrosulfite (when spilled in water)												
1931	Zinc hydrosulphite (when spilled in water)												
1953	Compressed gas, flammable, poisonous, n.o.s. (Inhalation Hazard Zone A)	100 m	(300 ft)	0.6 km	(0.4 mi)	2.5 km	(1.5 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
1953	Compressed gas, flammable, poisonous, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.9 km	(1.2 mi)	4.8 km	(3.0 mi)
1953	Compressed gas, flammable, poisonous, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
1953	Compressed gas, flammable, poisonous, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
1953	Compressed gas, flammable, toxic, n.o.s. (Inhalation Hazard Zone A)	100 m	(300 ft)	0.6 km	(0.4 mi)	2.5 km	(1.5 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)

1953	Compressed gas, flammable, toxic, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)
1953	Compressed gas, flammable, toxic, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)
1953	Compressed gas, flammable, toxic, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)
1953	Compressed gas, poisonous, flammable, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
1953	Compressed gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone A)	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
1953	Compressed gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)
1953	Compressed gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)
1953	Compressed gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)
1953	Compressed gas, toxic, flammable, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
1953	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone A)	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
1953	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY		NIGHT	Meters	(Feet)	DAY		NIGHT		
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)			
1953	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
1953	Compressed gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
1955	Compressed gas, poisonous, n.o.s.	100 m	(300 ft)	0.5 km	(0.3 mi)	2.1 km	(1.3 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
1955	Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone A)												
1955	Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.9 km	(1.2 mi)	4.8 km	(3.0 mi)
1955	Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.2 mi)	200 m	(600 ft)	1.0 km	(0.6 mi)	3.2 km	(2.0 mi)
1955	Compressed gas, poisonous, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
1955	Compressed gas, toxic, n.o.s.	100 m	(300 ft)	0.5 km	(0.3 mi)	2.1 km	(1.3 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
1955	Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone A)												
1955	Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.9 km	(1.2 mi)	4.8 km	(3.0 mi)
1955	Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.2 mi)	200 m	(600 ft)	1.0 km	(0.6 mi)	3.2 km	(2.0 mi)
1955	Compressed gas, toxic, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)

1955	Organic phosphate compound mixed with compressed gas	100 m (300 ft)	1.0 km (0.7 mi)	3.4 km (2.1 mi)	500 m (1500 ft)	4.4 km (2.7 mi)	9.6 km (6.0 mi)
1955	Organic phosphate mixed with compressed gas						
1955	Organic phosphorus compound mixed with compressed gas						
1967	Insecticide gas, poisonous, n.o.s.	100 m (300 ft)	1.0 km (0.7 mi)	3.4 km (2.1 mi)	500 m (1500 ft)	4.4 km (2.7 mi)	9.6 km (6.0 mi)
1967	Insecticide gas, toxic, n.o.s.						
1967	Parathion and compressed gas mixture						
1975	Dinitrogen tetroxide and Nitric oxide mixture	30 m (100 ft)	0.1 km (0.1 mi)	0.6 km (0.4 mi)	100 m (300 ft)	0.6 km (0.4 mi)	2.2 km (1.4 mi)
1975	Nitric oxide and Dinitrogen tetroxide mixture						
1975	Nitric oxide and Nitrogen dioxide mixture						
1975	Nitric oxide and Nitrogen tetroxide mixture						
1975	Nitrogen dioxide and Nitric oxide mixture						
1975	Nitrogen tetroxide and Nitric oxide mixture						
1994	Iron pentacarbonyl	100 m (300 ft)	0.9 km (0.6 mi)	2.1 km (1.3 mi)	500 m (1500 ft)	5.5 km (3.5 mi)	8.9 km (5.5 mi)
2004	Magnesium diamide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	2.3 km (1.5 mi)
2011	Magnesium phosphide (when spilled in water)	60 m (200 ft)	0.4 km (0.3 mi)	1.6 km (1.0 mi)	500 m (1500 ft)	4.8 km (3.0 mi)	11.0+ km (7.0+ mi)
2012	Potassium phosphide (when spilled in water)	30 m (100 ft)	0.3 km (0.2 mi)	1.2 km (0.7 mi)	400 m (1250 ft)	3.1 km (2.0 mi)	9.4 km (5.9 mi)
2013	Strontium phosphide (when spilled in water)	30 m (100 ft)	0.3 km (0.2 mi)	1.1 km (0.7 mi)	400 m (1250 ft)	3.0 km (1.9 mi)	9.4 km (5.9 mi)
2032	Nitric acid, fuming	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	150 m (500 ft)	0.6 km (0.4 mi)	1.1 km (0.7 mi)
2032	Nitric acid, red fuming						

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)	
2186	Hydrogen chloride, refrigerated liquid	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.2 mi)	500 m	(1500 ft)	2.8 km	(1.7 mi)	10.2 km	(6.3 mi)
2188	Arsine	200 m	(600 ft)	1.1 km	(0.7 mi)	4.0 km	(2.5 mi)	1000 m	(3000 ft)	7.0 km	(4.4 mi)	11.0+ km	(7.0+ mi)
2188	SA (when used as a weapon)	400 m	(1250 ft)	2.0 km	(1.3 mi)	5.5 km	(3.4 mi)	1000 m	(3000 ft)	9.2 km	(5.7 mi)	11.0+ km	(7.0+ mi)
2189	Dichlorosilane	30 m	(100 ft)	0.2 km	(0.1 mi)	1.0 km	(0.6 mi)	800 m	(2500 ft)	4.2 km	(2.6 mi)	10.3 km	(6.4 mi)
2190	Oxygen difluoride	800 m	(2500 ft)	5.3 km	(3.3 mi)	11.0+ km	(7.0+ mi)	1000 m	(3000 ft)	11.0+ km	(7.0+ mi)	11.0+ km	(7.0+ mi)
2190	Oxygen difluoride, compressed												
2191	Sulfuryl fluoride	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.3 mi)	300 m	(1000 ft)	1.7 km	(1.1 mi)	4.9 km	(3.1 mi)
2191	Sulphuryl fluoride												
2192	Germane	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	150 m	(500 ft)	0.9 km	(0.5 mi)	2.8 km	(1.8 mi)
2194	Selenium hexafluoride	60 m	(200 ft)	0.4 km	(0.3 mi)	1.9 km	(1.2 mi)	500 m	(1500 ft)	2.9 km	(1.8 mi)	6.4 km	(4.0 mi)
2195	Tellurium hexafluoride	200 m	(600 ft)	1.2 km	(0.8 mi)	4.3 km	(2.7 mi)	1000 m	(3000 ft)	9.4 km	(5.9 mi)	11.0+ km	(7.0+ mi)
2196	Tungsten hexafluoride	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	150 m	(500 ft)	1.0 km	(0.6 mi)	2.9 km	(1.8 mi)
2197	Hydrogen iodide, anhydrous	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.2 mi)	150 m	(500 ft)	1.0 km	(0.6 mi)	3.2 km	(2.0 mi)
2198	Phosphorus pentafluoride	30 m	(100 ft)	0.2 km	(0.2 mi)	1.1 km	(0.7 mi)	200 m	(600 ft)	1.3 km	(0.8 mi)	3.8 km	(2.4 mi)
2198	Phosphorus pentafluoride, compressed												
2199	Phosphine	100 m	(300 ft)	0.6 km	(0.4 mi)	2.5 km	(1.5 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
2202	Hydrogen selenide, anhydrous	200 m	(600 ft)	1.3 km	(0.8 mi)	4.6 km	(2.9 mi)	1000 m	(3000 ft)	8.7 km	(5.4 mi)	11.0+ km	(7.0+ mi)
2204	Carbonyl sulfide	30 m	(100 ft)	0.2 km	(0.1 mi)	0.7 km	(0.4 mi)	500 m	(1500 ft)	3.3 km	(2.1 mi)	8.7 km	(5.4 mi)
2204	Carbonyl sulphide												
2232	Chloroacetaldehyde	30 m	(100 ft)	0.2 km	(0.1 mi)	0.4 km	(0.3 mi)	100 m	(300 ft)	0.9 km	(0.5 mi)	1.5 km	(0.9 mi)
2232	2-Chloroethanal												

2308	Nitrosylsulfuric acid (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.3 mi)	300 m (1000 ft)	0.8 km (0.5 mi)	2.5 km (1.6 mi)
2308	Nitrosylsulfuric acid, liquid (when spilled in water)						
2308	Nitrosylsulfuric acid, solid (when spilled in water)						
2308	Nitrosylsulphuric acid (when spilled in water)						
2308	Nitrosylsulphuric acid, liquid (when spilled in water)						
2308	Nitrosylsulphuric acid, solid (when spilled in water)						
2334	Allylamine	30 m (100 ft)	0.2 km (0.1 mi)	0.6 km (0.4 mi)	150 m (500 ft)	1.7 km (1.1 mi)	3.0 km (1.9 mi)
2337	Phenyl mercaptan	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.3 mi)
2353	Butyryl chloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	1.0 km (0.6 mi)
2382	1,2-Dimethylhydrazine	30 m (100 ft)	0.2 km (0.1 mi)	0.4 km (0.3 mi)	100 m (300 ft)	1.0 km (0.6 mi)	1.7 km (1.1 mi)
2382	Dimethylhydrazine, symmetrical						
2395	Isobutyryl chloride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.2 km (0.2 mi)	0.6 km (0.4 mi)
2407	Isopropyl chloroformate	30 m (100 ft)	0.2 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.7 km (0.5 mi)	1.4 km (0.9 mi)
2417	Carbonyl fluoride	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	150 m (500 ft)	0.9 km (0.5 mi)	3.0 km (1.9 mi)
2417	Carbonyl fluoride, compressed						
2418	Sulfur tetrafluoride	100 m (300 ft)	0.6 km (0.4 mi)	2.6 km (1.6 mi)	800 m (2500 ft)	4.7 km (2.9 mi)	10.3 km (6.4 mi)
2418	Sulphur tetrafluoride						
2420	Hexafluoroacetone	60 m (200 ft)	0.3 km (0.2 mi)	1.5 km (0.9 mi)	1000 m (3000 ft)	8.4 km (5.2 mi)	11.0+ km (7.0+ mi)
2421	Nitrogen trioxide	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	100 m (300 ft)	0.3 km (0.2 mi)	1.2 km (0.8 mi)
2434	Dibenzylchlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.2 km (0.1 mi)	0.6 km (0.4 mi)
2435	Ethylphenyldichlorosilane (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.4 km (0.2 mi)	1.1 km (0.7 mi)

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ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)			
2437	Methylphenyldichlorosilane (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.6 km	(0.4 mi)
2438	Trimethylacetyl chloride	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	1.1 km	(0.7 mi)
2442	Trichloroacetyl chloride	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.7 km	(0.5 mi)	1.3 km	(0.8 mi)
2474	Thiophosgene	60 m	(200 ft)	0.7 km	(0.4 mi)	2.0 km	(1.3 mi)	300 m	(1000 ft)	3.1 km	(1.9 mi)	5.3 km	(3.3 mi)
2477	Methyl isothiocyanate	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2480	Methyl isocyanate	150 m	(500 ft)	1.8 km	(1.1 mi)	5.3 km	(3.3 mi)	1000 m	(3000 ft)	11.0+ km	(7.0+ mi)	11.0+ km	(7.0+ mi)
2481	Ethyl isocyanate	150 m	(500 ft)	1.5 km	(1.0 mi)	3.8 km	(2.4 mi)	1000 m	(3000 ft)	11.0+ km	(7.0+ mi)	11.0+ km	(7.0+ mi)
2482	n-Propyl isocyanate	100 m	(300 ft)	1.2 km	(0.8 mi)	2.8 km	(1.7 mi)	800 m	(2500 ft)	9.6 km	(6.0 mi)	11.0+ km	(7.0+ mi)
2483	Isopropyl isocyanate	100 m	(300 ft)	1.3 km	(0.8 mi)	3.0 km	(1.9 mi)	1000 m	(3000 ft)	11.0+ km	(7.0+ mi)	11.0+ km	(7.0+ mi)
2484	tert-Butyl isocyanate	100 m	(300 ft)	1.1 km	(0.7 mi)	2.6 km	(1.6 mi)	800 m	(2500 ft)	9.3 km	(5.8 mi)	11.0+ km	(7.0+ mi)
2485	n-Butyl isocyanate	60 m	(200 ft)	0.8 km	(0.5 mi)	1.7 km	(1.1 mi)	400 m	(1250 ft)	4.8 km	(3.0 mi)	6.9 km	(4.3 mi)
2486	Isobutyl isocyanate	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	400 m	(1250 ft)	4.8 km	(3.0 mi)	7.4 km	(4.6 mi)
2487	Phenyl isocyanate	30 m	(100 ft)	0.4 km	(0.3 mi)	0.6 km	(0.4 mi)	150 m	(500 ft)	1.6 km	(1.0 mi)	2.5 km	(1.6 mi)
2488	Cyclohexyl isocyanate	30 m	(100 ft)	0.3 km	(0.2 mi)	0.4 km	(0.2 mi)	100 m	(300 ft)	1.0 km	(0.6 mi)	1.4 km	(0.9 mi)
2495	Iodine pentafluoride (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.4 mi)	150 m	(500 ft)	1.2 km	(0.8 mi)	4.2 km	(2.6 mi)
2521	Diketene, stabilized	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.3 km	(0.2 mi)	0.5 km	(0.3 mi)
2534	Methylchlorosilane	30 m	(100 ft)	0.2 km	(0.1 mi)	0.7 km	(0.4 mi)	300 m	(1000 ft)	1.6 km	(1.0 mi)	4.3 km	(2.7 mi)
2548	Chlorine pentafluoride	60 m	(200 ft)	0.3 km	(0.2 mi)	1.4 km	(0.9 mi)	400 m	(1250 ft)	2.3 km	(1.4 mi)	6.5 km	(4.1 mi)

2600	Carbon monoxide and Hydrogen mixture	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)
2600	Carbon monoxide and Hydrogen mixture, compressed						
2600	Hydrogen and Carbon monoxide mixture						
2600	Hydrogen and Carbon monoxide mixture, compressed						
2605	Methoxymethyl isocyanate	30 m (100 ft)	0.4 km (0.3 mi)	0.6 km (0.4 mi)	150 m (500 ft)	1.6 km (1.0 mi)	2.5 km (1.6 mi)
2606	Methyl orthosilicate	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.3 mi)
2644	Methyl iodide	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	100 m (300 ft)	0.3 km (0.2 mi)	0.8 km (0.5 mi)
2646	Hexachlorocyclopentadiene	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.4 km (0.3 mi)	0.5 km (0.3 mi)
2668	Chloroacetonitrile	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.3 mi)
2676	Stibine	60 m (200 ft)	0.4 km (0.2 mi)	1.7 km (1.1 mi)	500 m (1500 ft)	2.8 km (1.7 mi)	7.2 km (4.5 mi)
2691	Phosphorus pentabromide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	30 m (100 ft)	0.4 km (0.3 mi)	1.5 km (1.0 mi)
2692	Boron tribromide (when spilled on land)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	60 m (200 ft)	0.5 km (0.3 mi)	1.0 km (0.6 mi)
2692	Boron tribromide (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.6 km (0.4 mi)	100 m (300 ft)	1.0 km (0.6 mi)	3.0 km (1.9 mi)
2740	n-Propyl chloroformate	30 m (100 ft)	0.2 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.7 km (0.5 mi)	1.3 km (0.8 mi)
2742	sec-Butyl chloroformate	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.4 km (0.2 mi)	0.6 km (0.4 mi)
2742	Isobutyl chloroformate	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.3 mi)
2743	n-Butyl chloroformate	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.3 km (0.2 mi)	0.5 km (0.3 mi)
2806	Lithium nitride (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	2.2 km (1.4 mi)
2810	Buzz (when used as a weapon)	30 m (100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.1 km (0.1 mi)	0.5 km (0.3 mi)
2810	BZ (when used as a weapon)						

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)	Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)	Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)
2810	CS (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.7 km	(0.4 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	2.1 km	(1.3 mi)
2810	DC (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.6 km	(0.4 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	2.0 km	(1.3 mi)
2810	GA (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.2 km	(0.1 mi)	100 m	(300 ft)	0.6 km	(0.4 mi)	0.7 km	(0.4 mi)
2810	GB (when used as a weapon)	60 m	(200 ft)	0.4 km	(0.3 mi)	1.2 km	(0.8 mi)	800 m	(2500 ft)	2.3 km	(1.4 mi)	4.5 km	(2.8 mi)
2810	GD (when used as a weapon)	60 m	(200 ft)	0.4 km	(0.3 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.7 km	(1.1 mi)	2.4 km	(1.5 mi)
2810	GF (when used as a weapon)	60 m	(200 ft)	0.2 km	(0.2 mi)	0.3 km	(0.2 mi)	150 m	(500 ft)	0.9 km	(0.6 mi)	1.1 km	(0.7 mi)
2810	H (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.2 mi)	0.4 km	(0.3 mi)
2810	HD (when used as a weapon)												
2810	HL (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	1.0 km	(0.7 mi)
2810	HN-1 (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.2 mi)	0.5 km	(0.4 mi)
2810	HN-2 (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.3 km	(0.2 mi)	0.5 km	(0.3 mi)
2810	HN-3 (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)
2810	L (Lewisite) (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	1.0 km	(0.7 mi)
2810	Lewisite (when used as a weapon)												
2810	Mustard (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.2 mi)	0.4 km	(0.3 mi)
2810	Mustard Lewisite (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	1.0 km	(0.7 mi)
2810	Poisonous liquid, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
2810	Poisonous liquid, n.o.s. (Inhalation Hazard Zone A)												
2810	Poisonous liquid, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)

2810	Poisonous liquid, organic, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	400 m	(1250 ft)	4.8 km	(3.0 mi)	7.4 km	(4.6 mi)
2810	Poisonous liquid, organic, n.o.s. (Inhalation Hazard Zone A)												
2810	Poisonous liquid, organic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2810	Sarin (when used as a weapon)	60 m	(200 ft)	0.4 km	(0.3 mi)	1.2 km	(0.8 mi)	800 m	(2500 ft)	2.3 km	(1.4 mi)	4.5 km	(2.8 mi)
2810	Soman (when used as a weapon)	60 m	(200 ft)	0.4 km	(0.3 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.7 km	(1.1 mi)	2.4 km	(1.5 mi)
2810	Tabun (when used as a weapon)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.2 km	(0.1 mi)	100 m	(300 ft)	0.6 km	(0.4 mi)	0.7 km	(0.4 mi)
2810	Thickened GD (when used as a weapon)	60 m	(200 ft)	0.4 km	(0.3 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.7 km	(1.1 mi)	2.4 km	(1.5 mi)
2810	Toxic liquid, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
2810	Toxic liquid, n.o.s. (Inhalation Hazard Zone A)												
2810	Toxic liquid, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2810	Toxic liquid, organic, n.o.s.	60 m	(200 ft)	0.8 km	(0.5mi)	1.8 km	(1.1 mi)	400 m	(1250 ft)	4.8 km	(3.0 mi)	7.4 km	(4.6 mi)
2810	Toxic liquid, organic, n.o.s. (Inhalation Hazard Zone A)												
2810	Toxic liquid, organic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2810	VX (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.2 mi)	0.4 km	(0.3 mi)
2811	CX (when used as a weapon)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.7 km	(0.4 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	2.3 km	(1.4 mi)
2826	Ethyl chloroethoformate	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.7 km	(0.5 mi)
2845	Ethyl phosphonous dichloride, anhydrous	30 m	(100 ft)	0.3 km	(0.2 mi)	0.8 km	(0.5 mi)	150 m	(500 ft)	1.6 km	(1.0 mi)	2.9 km	(1.8 mi)
2845	Methyl phosphonous dichloride	30 m	(100 ft)	0.4 km	(0.3 mi)	1.2 km	(0.8 mi)	200 m	(600 ft)	2.6 km	(1.6 mi)	4.5 km	(2.8 mi)
2901	Bromine chloride	30 m	(100 ft)	0.2 km	(0.2 mi)	1.0 km	(0.6 mi)	400 m	(1250 ft)	2.4 km	(1.5 mi)	6.5 km	(4.0 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY		NIGHT	Meters	(Feet)	DAY		NIGHT		
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)			
2927	Ethyl phosphonothioic dichloride, anhydrous	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.2 km	(0.2 mi)
2927	Ethyl phosphorodichloridate	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.2 km	(0.2 mi)	0.3 km	(0.2 mi)
2927	Poisonous liquid, corrosive, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
2927	Poisonous liquid, corrosive, n.o.s. (Inhalation Hazard Zone A)												
2927	Poisonous liquid, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2927	Poisonous liquid, corrosive, organic, n.o.s.	100 m	(300 ft)	1.2 km	(0.8 mi)	2.8 km	(1.8 mi)	600 m	(2000 ft)	7.8 km	(4.9 mi)	11.0+ km	(7.0+ mi)
2927	Poisonous liquid, corrosive, organic, n.o.s. (Inhalation Hazard Zone A)												
2927	Poisonous liquid, corrosive, organic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2927	Toxic liquid, corrosive, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
2927	Toxic liquid, corrosive, n.o.s. (Inhalation Hazard Zone A)												
2927	Toxic liquid, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
2927	Toxic liquid, corrosive, organic, n.o.s.	100 m	(300 ft)	1.2 km	(0.8 mi)	2.8 km	(1.8 mi)	600 m	(2000 ft)	7.8 km	(4.9 mi)	11.0+ km	(7.0+ mi)
2927	Toxic liquid, corrosive, organic, n.o.s. (Inhalation Hazard Zone A)												
2927	Toxic liquid, corrosive, organic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)

2929	Poisonous liquid, flammable, n.o.s.	60 m (200 ft)	0.7 km (0.4 mi)	2.3 km (1.4 mi)	400 m (1250 ft)	4.6 km (2.9 mi)	8.9 km (5.5 mi)
2929	Poisonous liquid, flammable, n.o.s. (Inhalation Hazard Zone A)						
2929	Poisonous liquid, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)
2929	Poisonous liquid, flammable, organic, n.o.s.	100 m (300 ft)	1.1 km (0.7 mi)	2.6 km (1.6 mi)	600 m (2000 ft)	7.8 km (4.9 mi)	11.0+ km (7.0+ mi)
2929	Poisonous liquid, flammable, organic, n.o.s. (Inhalation Hazard Zone A)						
2929	Poisonous liquid, flammable, organic, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)
2929	Toxic liquid, flammable, n.o.s.	60 m (200 ft)	0.7 km (0.4 mi)	2.3 km (1.4 mi)	400 m (1250 ft)	4.6 km (2.9 mi)	8.9 km (5.5 mi)
2929	Toxic liquid, flammable, n.o.s. (Inhalation Hazard Zone A)						
2929	Toxic liquid, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)
2929	Toxic liquid, flammable, organic, n.o.s.	100 m (300 ft)	1.1 km (0.7 mi)	2.6 km (1.6 mi)	600 m (2000 ft)	7.8 km (4.9 mi)	11.0+ km (7.0+ mi)
2929	Toxic liquid, flammable, organic, n.o.s. (Inhalation Hazard Zone A)						
2929	Toxic liquid, flammable, organic, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)
2977	Radioactive material, Uranium hexafluoride, fissile (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	60 m (200 ft)	0.5 km (0.3 mi)	2.3 km (1.4 mi)
2977	Uranium hexafluoride, fissile containing more than 1% Uranium-235 (when spilled in water)						

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ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)		
2978	Radioactive material, Uranium hexafluoride (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)		60 m	(200 ft)	0.5 km (0.3 mi)	2.2 km (1.4 mi)		
2978	Uranium hexafluoride (when spilled in water)											
2978	Uranium hexafluoride, non-fissile (when spilled in water)											
2985	Chlorosilanes, flammable, corrosive, n.o.s. (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		100 m	(300 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)		
2985	Chlorosilanes, n.o.s. (when spilled in water)											
2986	Chlorosilanes, corrosive, flammable, n.o.s. (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		100 m	(300 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)		
2986	Chlorosilanes, n.o.s. (when spilled in water)											
2987	Chlorosilanes, corrosive, n.o.s. (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		100 m	(300 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)		
2987	Chlorosilanes, n.o.s. (when spilled in water)											
2988	Chlorosilanes, n.o.s. (when spilled in water)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		100 m	(300 ft)	0.5 km (0.3 mi)	1.6 km (1.0 mi)		
2988	Chlorosilanes, water-reactive, flammable, corrosive, n.o.s. (when spilled in water)											
3023	2-Methyl-2-heptanethiol	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)		60 m	(200 ft)	0.5 km (0.3 mi)	0.7 km (0.5 mi)		
3023	tert-Octyl mercaptan											
3048	Aluminum phosphide pesticide (when spilled in water)	60 m	(200 ft)	0.5 km (0.3 mi)	1.9 km (1.2 mi)		600 m	(2000 ft)	5.8 km (3.6 mi)	11.0+ km (7.0+ mi)		

3049	Metal alkyl halides, n.o.s. (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.4 km (0.3 mi)	1.3 km (0.8 mi)
3049	Metal alkyl halides, water-reactive, n.o.s. (when spilled in water)						
3049	Metal aryl halides, n.o.s. (when spilled in water)						
3049	Metal aryl halides, water-reactive, n.o.s. (when spilled in water)						
3052	Aluminum alkyl halides (when spilled in water)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.4 km (0.3 mi)	1.3 km (0.8 mi)
3052	Aluminum alkyl halides, liquid (when spilled in water)						
3052	Aluminum alkyl halides, solid (when spilled in water)						
3057	Trifluoroacetyl chloride	30 m (100 ft)	0.2 km (0.2 mi)	1.0 km (0.7 mi)	800 m (2500 ft)	4.6 km (2.9 mi)	11.0+ km (7.0+ mi)
3079	Methacrylonitrile, stabilized	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)
3083	Perchloryl fluoride	30 m (100 ft)	0.2 km (0.1 mi)	0.7 km (0.4 mi)	500 m (1500 ft)	3.1 km (2.0 mi)	8.4 km (5.2 mi)
3122	Poisonous liquid, oxidizing, n.o.s.	60 m (200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)
3122	Poisonous liquid, oxidizing, n.o.s. (Inhalation Hazard Zone A)						
3122	Poisonous liquid, oxidizing, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	1.0 km (0.6 mi)
3122	Toxic liquid, oxidizing, n.o.s.	60 m (200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)
3122	Toxic liquid, oxidizing, n.o.s. (Inhalation Hazard Zone A)						
3122	Toxic liquid, oxidizing, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	60 m (200 ft)	0.6 km (0.4 mi)	1.0 km (0.6 mi)
3123	Poisonous liquid, water-reactive, n.o.s.	60 m (200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)
3123	Poisonous liquid, water-reactive, n.o.s. (Inhalation Hazard Zone A)						

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)				
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-		
		Meters	(Feet)	DAY	NIGHT		Meters	(Feet)	DAY	NIGHT	
				Kilometers (Miles)	Kilometers (Miles)	Kilometers (Miles)			Kilometers (Miles)		
3123	Poisonous liquid, water-reactive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)		
3123	Poisonous liquid, which in contact with water emits flammable gases, n.o.s.	60 m	(200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)		
3123	Poisonous liquid, which in contact with water emits flammable gases, n.o.s. (Inhalation Hazard Zone A)										
3123	Poisonous liquid, which in contact with water emits flammable gases, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)		
3123	Toxic liquid, water-reactive, n.o.s.	60 m	(200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)		
3123	Toxic liquid, water-reactive, n.o.s. (Inhalation Hazard Zone A)										
3123	Toxic liquid, water-reactive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)		
3123	Toxic liquid, which in contact with water emits flammable gases, n.o.s.	60 m	(200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m	(1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)		
3123	Toxic liquid, which in contact with water emits flammable gases, n.o.s. (Inhalation Hazard Zone A)										
3123	Toxic liquid, which in contact with water emits flammable gases, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)		

3160	Liquefied gas, poisonous, flammable, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
3160	Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone A)						
3160	Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)
3160	Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)
3160	Liquefied gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)
3160	Liquefied gas, toxic, flammable, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
3160	Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone A)						
3160	Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)
3160	Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)
3160	Liquefied gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)
3162	Liquefied gas, poisonous, n.o.s.	100 m (300 ft)	0.5 km (0.3 mi)	2.1 km (1.3 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)
3162	Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone A)						
3162	Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)
3162	Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	200 m (600 ft)	1.0 km (0.6 mi)	3.2 km (2.0 mi)

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)				
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-		
		Meters	(Feet)	DAY	NIGHT		Meters	(Feet)	DAY	NIGHT	
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)	
3162	Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m	(500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3162	Liquefied gas, toxic, n.o.s.	100 m	(300 ft)	0.5 km (0.3 mi)	2.1 km (1.3 mi)	800 m	(2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)		
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone A)										
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m	(1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)		
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	200 m	(600 ft)	1.0 km (0.6 mi)	3.2 km (2.0 mi)		
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m	(500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3246	Methanesulfonyl chloride	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m	(100 ft)	0.2 km (0.1 mi)	0.2 km (0.2 mi)		
3246	Methanesulphonyl chloride										
3275	Nitriles, poisonous, flammable, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)		
3275	Nitriles, toxic, flammable, n.o.s.										
3276	Nitriles, poisonous, liquid, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m	(200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)		
3276	Nitriles, poisonous, n.o.s.										
3276	Nitriles, toxic, liquid, n.o.s.										
3276	Nitriles, toxic, n.o.s.										
3278	Organophosphorus compound, poisonous, liquid, n.o.s.	30 m	(100 ft)	0.4 km (0.3 mi)	1.2 km (0.8 mi)	200 m	(600 ft)	2.6 km (1.6 mi)	4.5 km (2.8 mi)		
3278	Organophosphorus compound, poisonous, n.o.s.										
3278	Organophosphorus compound, toxic, liquid, n.o.s.										
3278	Organophosphorus compound, toxic, n.o.s.										

3279	Organophosphorus compound, poisonous, flammable, n.o.s.	30 m	(100 ft)	0.4 km	(0.3 mi)	1.2 km	(0.8 mi)	200 m	(600 ft)	2.6 km	(1.6 mi)	4.5 km	(2.8 mi)
3279	Organophosphorus compound, toxic, flammable, n.o.s.												
3280	Organoarsenic compound, liquid, n.o.s.	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	150 m	(500 ft)	2.0 km	(1.3 mi)	4.8 km	(3.0 mi)
3280	Organoarsenic compound, n.o.s.												
3281	Metal carbonyls, liquid, n.o.s.	150 m	(500 ft)	1.4 km	(0.9 mi)	4.9 km	(3.1 mi)	1000 m	(3000 ft)	11.0+ km	(7.0+ mi)	11.0+ km	(7.0+ mi)
3281	Metal carbonyls, n.o.s.												
3287	Poisonous liquid, inorganic, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
3287	Poisonous liquid, inorganic, n.o.s. (Inhalation Hazard Zone A)												
3287	Poisonous liquid, inorganic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	150 m	(500 ft)	0.6 km	(0.4 mi)	1.1 km	(0.7 mi)
3287	Toxic liquid, inorganic, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
3287	Toxic liquid, inorganic, n.o.s. (Inhalation Hazard Zone A)												
3287	Toxic liquid, inorganic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	150 m	(500 ft)	0.6 km	(0.4 mi)	1.1 km	(0.7 mi)
3289	Poisonous liquid, corrosive, inorganic, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
3289	Poisonous liquid, corrosive, inorganic, n.o.s. (Inhalation Hazard Zone A)												
3289	Poisonous liquid, corrosive, inorganic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.7 km	(0.5 mi)	1.2 km	(0.8 mi)
3289	Toxic liquid, corrosive, inorganic, n.o.s.	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
3289	Toxic liquid, corrosive, inorganic, n.o.s. (Inhalation Hazard Zone A)												

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)	Meters	(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Miles)		
3289	Toxic liquid, corrosive, inorganic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.7 km	(0.5 mi)	1.2 km	(0.8 mi)
3294	Hydrogen cyanide, solution in alcohol, with not more than 45% Hydrogen cyanide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	200 m	(600 ft)	0.5 km	(0.3 mi)	1.9 km	(1.2 mi)
3300	Carbon dioxide and Ethylene oxide mixture, with more than 87% Ethylene oxide	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.8 km	(0.5 mi)	2.5 km	(1.6 mi)
3300	Ethylene oxide and Carbon dioxide mixture, with more than 87% Ethylene oxide												
3303	Compressed gas, poisonous, oxidizing, n.o.s.	100 m	(300 ft)	0.5 km	(0.3 mi)	2.1 km	(1.3 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
3303	Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone A)												
3303	Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone B)	60 m	(200 ft)	0.2 km	(0.2 mi)	1.0 km	(0.6 mi)	500 m	(1500 ft)	2.7 km	(1.7 mi)	7.2 km	(4.5 mi)
3303	Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3303	Compressed gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)

3303	Compressed gas, toxic, oxidizing, n.o.s.	100 m (300 ft)	0.5 km (0.3 mi)	2.1 km (1.3 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)			
3303	Compressed gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone A)									
3303	Compressed gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone B)	60 m (200 ft)	0.2 km (0.2 mi)	1.0 km (0.6 mi)	500 m (1500 ft)	2.7 km (1.7 mi)	7.2 km (4.5 mi)			
3303	Compressed gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)			
3303	Compressed gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)			
3304	Compressed gas, poisonous, corrosive, n.o.s.	150 m (500 ft)	0.7 km (0.4 mi)	2.5 km (1.6 mi)	800 m (2500 ft)	4.7 km (2.9 mi)	10.3 km (6.4 mi)			
3304	Compressed gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone A)									
3304	Compressed gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	1.0 km (0.6 mi)	400 m (1250 ft)	2.4 km (1.5 mi)	6.5 km (4.0 mi)			
3304	Compressed gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.3 mi)	300 m (1000 ft)	1.7 km (1.1 mi)	3.6 km (2.2 mi)			
3304	Compressed gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)			
3304	Compressed gas, toxic, corrosive, n.o.s.	150 m (500 ft)	0.7 km (0.4 mi)	2.5 km (1.6 mi)	800 m (2500 ft)	4.7 km (2.9 mi)	10.3 km (6.4 mi)			
3304	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone A)									

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY		NIGHT	Meters	(Feet)	DAY		NIGHT		
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)			
3304	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	1.0 km	(0.6 mi)	400 m	(1250 ft)	2.4 km	(1.5 mi)	6.5 km	(4.0 mi)
3304	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.4 km	(0.3 mi)	300 m	(1000 ft)	1.7 km	(1.1 mi)	3.6 km	(2.2 mi)
3304	Compressed gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3305	Compressed gas, poisonous, flammable, corrosive, n.o.s.	100 m	(300 ft)	0.7 km	(0.4 mi)	2.5 km	(1.6 mi)	800 m	(2500 ft)	4.7 km	(2.9 mi)	10.3 km	(6.4 mi)
3305	Compressed gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone A)												
3305	Compressed gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	1.0 km	(0.6 mi)	800 m	(2500 ft)	4.2 km	(2.6 mi)	10.3 km	(6.4 mi)
3305	Compressed gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3305	Compressed gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3305	Compressed gas, toxic, flammable, corrosive, n.o.s.	100 m	(300 ft)	0.7 km	(0.4 mi)	2.5 km	(1.6 mi)	800 m	(2500 ft)	4.7 km	(2.9 mi)	10.3 km	(6.4 mi)
3305	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone A)												

3305	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	1.0 km (0.6 mi)	800 m (2500 ft)	4.2 km (2.6 mi)	10.3 km (6.4 mi)		
3305	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)		
3305	Compressed gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3306	Compressed gas, poisonous, oxidizing, corrosive, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)		
3306	Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)								
3306	Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	60 m (200 ft)	0.2 km (0.2 mi)	1.0 km (0.6 mi)	500 m (1500 ft)	2.7 km (1.7 mi)	7.2 km (4.5 mi)		
3306	Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)		
3306	Compressed gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3306	Compressed gas, toxic, oxidizing, corrosive, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)		
3306	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)								
3306	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	60 m (200 ft)	0.2 km (0.2 mi)	1.0 km (0.6 mi)	500 m (1500 ft)	2.7 km (1.7 mi)	7.2 km (4.5 mi)		

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY		NIGHT	Meters	(Feet)	DAY		NIGHT		
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)			
3306	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3306	Compressed gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3307	Liquefied gas, poisonous, oxidizing, n.o.s.	100 m	(300 ft)	0.5 km	(0.3 mi)	2.1 km	(1.3 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
3307	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone A)												
3307	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone B)	60 m	(200 ft)	0.2 km	(0.2 mi)	1.0 km	(0.6 mi)	500 m	(1500 ft)	2.7 km	(1.7 mi)	7.2 km	(4.5 mi)
3307	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3307	Liquefied gas, poisonous, oxidizing, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3307	Liquefied gas, toxic, oxidizing, n.o.s.	100 m	(300 ft)	0.5 km	(0.3 mi)	2.1 km	(1.3 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
3307	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone A)												
3307	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone B)	60 m	(200 ft)	0.2 km	(0.2 mi)	1.0 km	(0.6 mi)	500 m	(1500 ft)	2.7 km	(1.7 mi)	7.2 km	(4.5 mi)
3307	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)

3307	Liquefied gas, toxic, oxidizing, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3308	Liquefied gas, poisonous, corrosive, n.o.s.	150 m (500 ft)	0.7 km (0.4 mi)	2.5 km (1.6 mi)	800 m (2500 ft)	4.7 km (2.9 mi)	10.3 km (6.4 mi)		
3308	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone A)								
3308	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	1.0 km (0.6 mi)	400 m (1250 ft)	2.4 km (1.5 mi)	6.5 km (4.0 mi)		
3308	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.3 mi)	300 m (1000 ft)	1.7 km (1.1 mi)	3.6 km (2.2 mi)		
3308	Liquefied gas, poisonous, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3308	Liquefied gas, toxic, corrosive, n.o.s.	150 m (500 ft)	0.7 km (0.4 mi)	2.5 km (1.6 mi)	800 m (2500 ft)	4.7 km (2.9 mi)	10.3 km (6.4 mi)		
3308	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone A)								
3308	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	1.0 km (0.6 mi)	400 m (1250 ft)	2.4 km (1.5 mi)	6.5 km (4.0 mi)		
3308	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.4 km (0.3 mi)	300 m (1000 ft)	1.7 km (1.1 mi)	3.6 km (2.2 mi)		
3308	Liquefied gas, toxic, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3309	Liquefied gas, poisonous, flammable, corrosive, n.o.s.	100 m (300 ft)	0.7 km (0.4 mi)	2.5 km (1.6 mi)	800 m (2500 ft)	4.7 km (2.9 mi)	10.3 km (6.4 mi)		
3309	Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone A)								
3309	Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	1.0 km (0.6 mi)	800 m (2500 ft)	4.2 km (2.6 mi)	10.3 km (6.4 mi)		

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)					LARGE SPILLS (From a large package or from many small packages)						
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-			First ISOLATE in all Directions		Then PROTECT persons Downwind during-				
		Meters	(Feet)	DAY		NIGHT	Meters	(Feet)	DAY		NIGHT		
				Kilometers (Miles)	Kilometers (Miles)				Kilometers (Miles)	Kilometers (Miles)			
3309	Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3309	Liquefied gas, poisonous, flammable, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3309	Liquefied gas, toxic, flammable, corrosive, n.o.s.	100 m	(300 ft)	0.7 km	(0.4 mi)	2.5 km	(1.6 mi)	800 m	(2500 ft)	4.7 km	(2.9 mi)	10.3 km	(6.4 mi)
3309	Liquefied gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone A)												
3309	Liquefied gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	1.0 km	(0.6 mi)	800 m	(2500 ft)	4.2 km	(2.6 mi)	10.3 km	(6.4 mi)
3309	Liquefied gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3309	Liquefied gas, toxic, flammable, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3310	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s.	100 m	(300 ft)	0.6 km	(0.4 mi)	2.5 km	(1.5 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
3310	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)												
3310	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	60 m	(200 ft)	0.2 km	(0.2 mi)	1.0 km	(0.6 mi)	500 m	(1500 ft)	2.7 km	(1.7 mi)	7.2 km	(4.5 mi)

3310	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)		
3310	Liquefied gas, poisonous, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3310	Liquefied gas, toxic, oxidizing, corrosive, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)		
3310	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone A)								
3310	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone B)	60 m (200 ft)	0.2 km (0.2 mi)	1.0 km (0.6 mi)	500 m (1500 ft)	2.7 km (1.7 mi)	7.2 km (4.5 mi)		
3310	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone C)	30 m (100 ft)	0.1 km (0.1 mi)	0.3 km (0.2 mi)	300 m (1000 ft)	1.3 km (0.8 mi)	4.1 km (2.6 mi)		
3310	Liquefied gas, toxic, oxidizing, corrosive, n.o.s. (Inhalation Hazard Zone D)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)		
3318	Ammonia solution, with more than 50% Ammonia	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.8 km (0.5 mi)	2.3 km (1.4 mi)		
3355	Insecticide gas, poisonous, flammable, n.o.s.	100 m (300 ft)	0.6 km (0.4 mi)	2.5 km (1.5 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)		
3355	Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone A)								
3355	Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)		

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY		NIGHT		Meters	(Feet)	DAY		NIGHT	
				Kilometers (Miles)	Kilometers (Miles)	Kilometers (Miles)	Kilometers (Miles)			Kilometers (Miles)	Kilometers (Miles)		
3355	Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3355	Insecticide gas, poisonous, flammable, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3355	Insecticide gas, toxic, flammable, n.o.s.	100 m	(300 ft)	0.6 km	(0.4 mi)	2.5 km	(1.5 mi)	800 m	(2500 ft)	4.4 km	(2.7 mi)	8.9 km	(5.6 mi)
3355	Insecticide gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone A)												
3355	Insecticide gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km	(0.1 mi)	0.8 km	(0.5 mi)	400 m	(1250 ft)	1.9 km	(1.2 mi)	4.8 km	(3.0 mi)
3355	Insecticide gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	300 m	(1000 ft)	1.3 km	(0.8 mi)	4.1 km	(2.6 mi)
3355	Insecticide gas, toxic, flammable, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	150 m	(500 ft)	0.7 km	(0.5 mi)	2.7 km	(1.7 mi)
3361	Chlorosilanes, poisonous, corrosive, n.o.s. (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	1.6 km	(1.0 mi)
3361	Chlorosilanes, toxic, corrosive, n.o.s. (when spilled in water)												
3362	Chlorosilanes, poisonous, corrosive, flammable, n.o.s. (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	100 m	(300 ft)	0.5 km	(0.3 mi)	1.6 km	(1.0 mi)
3362	Chlorosilanes, toxic, corrosive, flammable, n.o.s. (when spilled in water)												

3381	Poisonous by inhalation liquid, n.o.s. (Inhalation Hazard Zone A)	60 m (200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)			
3381	Toxic by inhalation liquid, n.o.s. (Inhalation Hazard Zone A)									
3382	Poisonous by inhalation liquid, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)			
3382	Toxic by inhalation liquid, n.o.s. (Inhalation Hazard Zone B)									
3383	Poisonous by inhalation liquid, flammable, n.o.s. (Inhalation Hazard Zone A)	60 m (200 ft)	0.7 km (0.4 mi)	2.3 km (1.4 mi)	400 m (1250 ft)	4.6 km (2.9 mi)	8.9 km (5.5 mi)			
3383	Toxic by inhalation liquid, flammable, n.o.s. (Inhalation Hazard Zone A)									
3384	Poisonous by inhalation liquid, flammable, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)			
3384	Toxic by inhalation liquid, flammable, n.o.s. (Inhalation Hazard Zone B)									
3385	Poisonous by inhalation liquid, water-reactive, n.o.s. (Inhalation Hazard Zone A)	60 m (200 ft)	0.8 km (0.5 mi)	1.8 km (1.1 mi)	300 m (1000 ft)	2.9 km (1.8 mi)	5.7 km (3.6 mi)			
3385	Toxic by inhalation liquid, water-reactive, n.o.s. (Inhalation Hazard Zone A)									
3386	Poisonous by inhalation liquid, water-reactive, n.o.s. (Inhalation Hazard Zone B)	30 m (100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.8 km (0.5 mi)			
3386	Toxic by inhalation liquid, water-reactive, n.o.s. (Inhalation Hazard Zone B)									

TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID No. NAME OF MATERIAL		SMALL SPILLS (From a small package or small leak from a large package)						LARGE SPILLS (From a large package or from many small packages)					
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters	(Feet)	DAY		NIGHT		Meters	(Feet)	DAY		NIGHT	
				Kilometers (Miles)	Kilometers (Miles)	Kilometers (Miles)	Kilometers (Miles)			Kilometers (Miles)	Kilometers (Miles)		
3387	Poisonous by inhalation liquid, oxidizing, n.o.s. (Inhalation Hazard Zone A)	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
3387	Toxic by inhalation liquid, oxidizing, n.o.s. (Inhalation Hazard Zone A)												
3388	Poisonous by inhalation liquid, oxidizing, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.3 km	(0.2 mi)	60 m	(200 ft)	0.6 km	(0.4 mi)	1.0 km	(0.6 mi)
3388	Toxic by inhalation liquid, oxidizing, n.o.s. (Inhalation Hazard Zone B)												
3389	Poisonous by inhalation liquid, corrosive, n.o.s. (Inhalation Hazard Zone A)	60 m	(200 ft)	0.8 km	(0.5 mi)	1.8 km	(1.1 mi)	300 m	(1000 ft)	2.9 km	(1.8 mi)	5.7 km	(3.6 mi)
3389	Toxic by inhalation liquid, corrosive, n.o.s. (Inhalation Hazard Zone A)												
3390	Poisonous by inhalation liquid, corrosive, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.5 km	(0.3 mi)	0.8 km	(0.5 mi)
3390	Toxic by inhalation liquid, corrosive, n.o.s. (Inhalation Hazard Zone B)												
3456	Nitrosylsulfuric acid, solid (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.5 km	(0.3 mi)	200 m	(600 ft)	0.7 km	(0.5 mi)	2.5 km	(1.6 mi)
3456	Nitrosylsulphuric acid, solid (when spilled in water)												
3461	Aluminum alkyl halides, solid (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.2 km	(0.1 mi)	60 m	(200 ft)	0.4 km	(0.3 mi)	1.3 km	(0.8 mi)
9191	Chlorine dioxide, hydrate, frozen (when spilled in water)	30 m	(100 ft)	0.1 km	(0.1 mi)	0.1 km	(0.1 mi)	30 m	(100 ft)	0.2 km	(0.2 mi)	0.6 km	(0.4 mi)