

Hazardous Material Awareness

Unit 13

13-1-S130-EP

Unit 13 Objectives

- 1. Develop a working definition of hazardous materials.
- 2. Explain the general guidelines when reacting to a possible hazardous material emergency.
- 3. List and explain the six steps in the D.E.C.I.D.E. process.
- 4. List and explain the six clues for detecting the presence of hazardous materials.

13-2-S130-EP

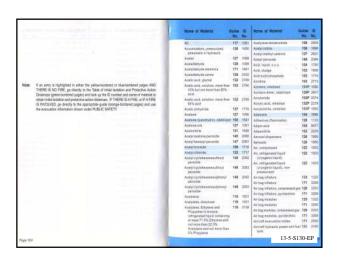
Definition of Hazardous Materials

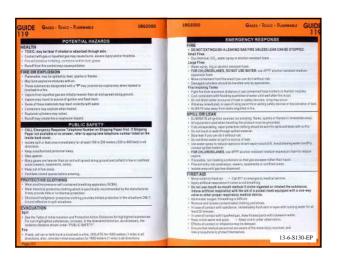
A single material or a combination of several materials that may produce serious health, fire or explosive hazards.



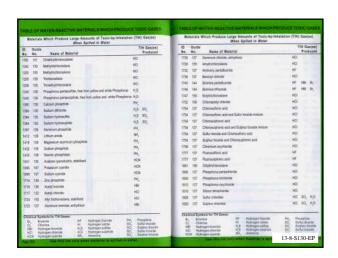
13-3-S130-EP







	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 arrali packages)					
ID No.		First ISOLATE in all Directions		Then PROTECT persons Downwind Surris:				First ISOLATE in all Directions		Then PROTECT persons Downwind during-			
		Meters (Feet)		DAY Kilometers		NIGHT Slameters (Miles)		(Feet)	DAY Kilometers (Miles)		NIGHT Kilometers (Wiles		
1082	TidSurrochloroidhylene TidSurrochloroidhylene, intibéed	30 m	(100 ft)	9.2 km	(5.1 m)	(1.2 km	(0.1 mg)	30 m	(100 t)	D.2 km	(0.2 ml)	3.8 km	(0.5 m)
1062	Aprolein, inhibited	fürt.	(200 ft)	0.5 km	(0.3 ml)	1.6 km	(1.0 mg	400 m	(1300 ft)	3.9 im	(2.4 m)	7.9 km	(4.9 m
1096	Allyl alcoholi	30 m	(100 ft)	0.2 km	(m.T.0)	0.2 km	(0.1 m)	30 m	(100.6)	0.3 km	(0.2 m)	0.6 km	/2.4 m
1136	Ethylene-chlorohyddin	32 m	(100 ft)	0.2 km	(0.1 mb)	0.3 km	(0.2m)	60 m	(200 ft)	Di6 km	(0.4 m)	1,3 km	(0.6 m
1143 1143	Crolonaldehyde, minblied Crolonaldehyde, stabilized	30 m	(1001)	0.2 km	(0.1 m)	0.2 km	(0.1m)	30 m	(100 ft)	0.3 km	(0.2 m)	0.8 km	(0.5 m
1162	Dimetroidichiorosilano (when spilled in water)	30 m	(100 ft)	0.2 km	(0,1 mi)	0.3 km	(0.2m)	125 m	(430 t)	1,1 km	(9.7 m)	2.94m	(1.8 m
1163 1163	1,1-Direktyltychazine Direktyltychazne, unsymmetrical	30 m	(100 ft)	0.2 km	(1.1 mi)	(0.2 km)	(2.1 mi)	60 m	(200 f)	0.5 km	(0.3 m)	1.1km	(II.Jm
1182	Ethyl chiaroformate	30 m	(100 ft)	0.2 km	(in 1.0)	0.3 km	(0.2m)	60 m	(200 ft)	0.6 km	(0.4 mi)	1.4 km	[0.9 m
1185	Ethyleralinina, inhibited	30 m	(100 m)	0.3 kes	(0.2/0)	0.8 km	(0.5m)	156 m	(500 f)	14 km	(2.9 mi)	3.5 km	(2.2 m
1238	Weltrylichtoroformate	30 m	(100%)	9.3 km	(9.2 ml)	1.1 km	(0.7 m)	155 m	(500 f)	1,6 km	(1.0 m)	3.4 km	(2.1 m)
1238	Methyl chloromethyl ether	30 m	(1001)	0.2km	(0.1 m)	0.6 km	(0.4 m)	125 m	(400 ft)	1.1 km	(0.7 mi)	27 km	(T.Tm
1342	Methyldichioroxilana (when spilled in water)	30 m	(1001)	0.2 km	(0.1 m)	0.2 km	(0.1 m)	60 m	(200 ft)	0.5 km	(0.3 m)	16)m	(1.0 m
1244	Wethythydrazine	36 m	(1001)	0.3 km	(0.2 ml)	0.8 km	(0.5%)	125 m	(400 ft)	1.1 km	(9.7 m)	27 km	(1.7 m
1250	Methytrichtorosione (when spilled in water)	30 m	(100 ft)	02km	(0.1 m)	0.5 km	(02ni)	125 m	(400 ft)	1.1km	(0.7 mi)	2.0 km	(18m
1251 1251	Methyl vinyl ketone Methyl vinyl ketone, stabilized	155 m	(500 ft)	1.3 km	(0.8 m)	3.4 km	(2.1 mi)	915m	(30004)	87km	(5.4)	13-7-S	130-





Review Unit 13 Objectives

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13-10-S130-EI