

TABLE 3 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES FOR LARGE SPILLS FOR DIFFERENT QUANTITIES OF SIX COMMON TIH (PIH in the US) GASES

	First ISOLATE in all Directions	Then PROTECT persons Downwind during							
		DAY				NIGHT			
		Low wind (< 6 mph = < 10 km/h)	Moderate wind (6-12 mph = 10 - 20 km/h)	High wind (> 12 mph = > 20 km/h)		Low wind (< 6 mph = < 10 km/h)	Moderate wind (6-12 mph = 10 - 20 km/h)	High wind (> 12 mph = > 20 km/h)	
	Meters (Feet)	km (Miles)	km (Miles)	km (Miles)		km (Miles)	km (Miles)	km (Miles)	
UN1005 Ammonia, anhydrous: Large Spills									
TRANSPORT CONTAINER									
Rail tank car	300 (1000)	1.9 (1.2)	1.5 (0.9)	1.1 (0.6)		4.5 (2.8)	2.5 (1.5)	1.4 (0.9)	
Highway tank truck or trailer	150 (500)	0.9 (0.6)	0.5 (0.3)	0.4 (0.3)		2.0 (1.3)	0.8 (0.5)	0.6 (0.4)	
Agricultural nurse tank	60 (200)	0.5 (0.3)	0.3 (0.2)	0.3 (0.2)		1.4 (0.9)	0.3 (0.2)	0.3 (0.2)	
Multiple small cylinders	30 (100)	0.3 (0.2)	0.2 (0.1)	0.1 (0.1)		0.7 (0.5)	0.3 (0.2)	0.2 (0.1)	
UN1017 Chlorine: Large Spills									
TRANSPORT CONTAINER									
Rail tank car	1000 (3000)	10.1 (6.3)	6.8 (4.2)	5.3 (3.3)		11+ (7+)	9.2 (5.7)	6.9 (4.3)	
Highway tank truck or trailer	600 (2000)	5.8 (3.6)	3.4 (2.1)	2.9 (1.8)		6.7 (4.3)	5.0 (3.1)	4.1 (2.5)	
Multiple ton cylinders	300 (1000)	2.1 (1.3)	1.3 (0.8)	1.0 (0.6)		4.0 (2.5)	2.4 (1.5)	1.3 (0.8)	
Multiple small cylinders or single ton cylinder	150 (500)	1.5 (0.9)	0.8 (0.5)	0.5 (0.3)		2.9 (1.8)	1.3 (0.8)	0.6 (0.4)	

TABLE 3

"+" means distance can be larger in certain atmospheric conditions