

























UN CLASSES OF HAZARD MATERIALS

CHEMICAL CLASS			2				3	4				5		6	8	9
																
			[2.1] Flammable gases	[2.2] Non flammable gases	[5.1][2.2] Oxidizing gas	[2.3] Toxic gases	[3] Flammable liquids	[4.1] Flammable solids	[4.2] Spontaneously combustible	[4.3] Dangerous when wet	[5.1] Oxidizing agent	[5.2] Organic peroxide	[6.1] Toxic	[8] Corrosive	[9] Miscellaneous	
																
2		[2.1] Flammable gases	A	B	S1	S1	S2	S2	S4	S5	S2	S4	S1	S1	C	
		[2.2] Non flammable gases	B	A	B	S1	S2	S2	S4	S5	B	S4	B	S1	C	
		[5.1][2.2] Oxidizing gas	S1	B	A	S1	S2	S2	S4	S5	S2	S4	C	S1	C	
		[2.3] Toxic gases	S1	S1	S1	A	S2	S2	S4	S5	S2	S4	C	S1	C	
3		[3] Flammable liquids	S2	S2	S2	S2	A	S2	S4	S5	S2	S4	S3	S2	B	
4		[4.1] Flammable solids	S2	S2	S2	S2	S2	A	S4	S5	S2	S4	S3	S2	B	
		[4.2] Spontaneously combustible	S4	S4	S4	S4	S4	S4	A	S5	S4	S4	S4	S2	B	
		[4.3] Dangerous when wet	S5	S5	S5	S5	S5	S5	S5	A	S5	S5	S5	S5	S5	
		[5.1] Oxidizing agent	S2	B	S2	S2	S2	S2	S4	S5	A	S4	C	S3	C	
5		[5.2] Organic peroxide	S4	S4	S4	S4	S4	S4	S4	S5	S4	A	S4	S4	S4	
		[6.1] Toxic	S1	B	C	C	S3	S3	S4	S5	C	S4	A	B	B	
8		[8] Corrosive	S1	S1	S1	S1	S2	S2	S2	S5	S3	S4	B	A	C	
9		[9] Miscellaneous	C	C	C	C	B	B	B	S5	C	S4	B	C	A	

#	COMMENTS AND GUIDANCE:
S1	THE CHEMICALS MUST BE SEGREGATED BY A MINIMUM DISTANCE OF 3m AND THE STORE MUST BE WELL VENTILATED. SPILL CONTAINMENT MEANS MUST BE OUTSIDE THE CHEMICAL STORE. SOLID HAZARDOUS CHEMICALS MUST BE ON NON COMBUSTIBLE PALLETS TO AVOID CONTACT WITH INCOMPATIBLE LIQUID CHEMICALS. THE STORE BARRIERS MUST BE FIRE RATED.
S2	THE CHEMICALS MUST BE SEGREGATED BY A MINIMUM DISTANCE OF 5m AND THE STORE MUST BE WELL VENTILATED. SPILL CONTAINMENT MEANS MUST BE OUTSIDE THE CHEMICAL STORE. SOLID HAZARDOUS CHEMICALS MUST BE ON NON COMBUSTIBLE PALLETS TO AVOID CONTACT WITH INCOMPATIBLE LIQUID CHEMICALS. THE STORE BARRIERS MUST BE FIRE RATED.
S3	SEGREGATION OF CHEMICALS MUST BE AS FOLLOWS : (PG III AT LEAST 3m // PG II & I AT LEAST 5m // SOLID HAZARDOUS CHEMICALS AT LEAST 1m).
S4	FIRE RATED PARTITIONED AREA IS PREFERRED FOR THIS CLASS OF CHEMICALS.
S5	FIRE RATED DETACHED BUILDING IS PREFERRED FOR CLASS 4.3 WHERE THE USAGE OF WATER BASED SUPPRESSION SYSTEM IS BANNED
A	MSDS MUST BE CHECKED TO GUARANTEE THE COMPATIBILITY OF THE CHEMICALS UNDER THE SAME CLASS . IF THEY ARE INCOMPATIBLE MINIMUM SEGREGATION DISTANCE MUST BE 3M
B	MSDS MUST BE CHECKED TO GUARANTEE THE COMPATIBILITY OF THE CHEMICALS. IF THEY ARE INCOMPATIBLE MINIMUM SEGREGATION DISTANCE MUST BE 3M
C	AT LEAST 3m OF SEGREGATION DISTANCE IS REQUIRED IF THE CHEMICAL HAS FIRE RISK (PRIMARY OR SUBSIDIARY). MSDS MUST BE CHECKED TO GUARANTEE THE COMPATIBILITY.