SEGREGATION GUIDE

AS3833:2007 The Storage and Handling of mixed classes of Dangerous Goods…

CLASS		2		3	4			5		6	8
		Flammable gas 2	Compressed gas 2	Flammable liquid 3	Flammable solid 4	Spontaneously combustible 4	Dangerous when wet 4	Oxidizing agent 5.1	Organic peroxide 5.2	Toxic 6	Corrosive 8
COMPRESSED GASES 2.1 Flammable	2	Compatible	KEEP APART	Segregate from	Segregate from	Segregate from	Segregate from	Segregate from	ISOLATE	KEEP APART	KEEP APART
2.2 Non-flammable/ non-toxic	2	KEEP APART	Compatible	KEEP APART	Segregation may be necessary	Segregate from	Segregation may be necessary	Segregation may be necessary	Segregate from	Segregation may be necessary	KEEP APART
FLAMMABLE LIQUIDS (and Combustible liquids)	3	Segregate from	KEEP APART	Compatible	KEEP APART	Segregate from	Segregate from	Segregate from	ISOLATE	KEEP APART	KEEP APART
FLAMMABLE SOLIDS 4.1 Flammable solids	4	Segregate from	Segregation may be necessary	KEEP APART	Compatible	KEEP APART	Segregate from	Segregate from	Segregate from	KEEP APART	Segregation may be necessary
4.2 Spontaneously combustable	4	Segregate from	Segregate from	Segregate from	KEEP APART	Compatible	KEEP APART	Segregate from	ISOLATE	KEEP APART	KEEP APART
4.3 Dangerous when wet	4	Segregate from	Segregation may be necessary	Segregate from	Segregate from	KEEP APART	Compatible	KEEP APART	Segregate from	Segregation may be necessary	Segregation may be necessary
OXIDIZING SUBSTANCES 5.1 Oxidizing agents	5	Segregate from	Segregation may be necessary	Segregate from	Segregate from	Segregate from	KEEP APART	*	Segregate from	KEEP APART	KEEP APART
5.2 Organic peroxides	5	ISOLATE	Segregate from	ISOLATE	Segregate from	ISOLATE	Segregate from	Segregate from	Compatible	KEEP APART	KEEP APART
TOXIC SUBSTANCES	6	KEEP APART	Segregation may be necessary	KEEP APART	KEEP APART	KEEP APART	Segregation may be necessary	KEEP APART	KEEP APART	Compatible	Segregation may be necessary
CORROSIVE SUBSTANCES	8	KEEP APART	KEEP APART	KEEP APART	Segregation may be necessary	KEEP APART	Segregation may be necessary	KEEP APART	KEEP APART	Segregation may be necessary	*

LEGEND:

Compatible	Dangerous goods of the same Class should be compatible; consult MSDS or suppliers about requirements for individual substances.
*	Dangerous goods of the same Class could be incompatible or react dangerously. Consult the MSDS or suppliers about requirements for individual substances.
Segregation may be necessary	Segregation of these Classes may be necessary. Consult the MSDS or supplier.
KEEP APART	Dangerous goods of these Classes should be kept apart by at least 3 m. Consult the MSDS or supplier.
Segregate from	These combinations of dangerous goods should segregated by at least 5 m and kept in separate compounds or building compartments.
ISOLATE	This requirement applies to organic peroxides, for which dedicated stores or storage cabinets are recommended. Adequate separation from other buildings and boundaries is required.

NOTES:

1 In all cases, the MSDS or supplier of the goods should be consulted.

2 The segregation of dangerous goods of Division 1.4S may be necessary. Consult the MSDS or the supplier of the goods.

3 Combustible liquids shall be segregated in the same manner as flammable liquids of Class 3.

4 Dangerous goods of Class 9 should be segregated in accordance with MSDS.

6 If the dangerous goods have a Subrisk of another class, then the segregation requirements for the Subrisk need to be determined and the more stringent segregation requirements applied.

7 Where smoke detectors are to be stored, their supplier should be consulted and any specific storage and handling recommendations followed.