
















Table 2 General recommendations for the separation or segregation of different classes of dangerous substances

		CLASS	2			3
		CLASS				
Compressed gases						
	2.1 Flammable			KEEP APART	Segregate from or KEEP APART	Segregate from
	2.2 Non-flammable/ non-toxic		KEEP APART		KEEP APART	KEEP APART
	2.3 Toxic		Segregate from or KEEP APART	KEEP APART		Segregate from
Flammable liquids						
			Segregate from	KEEP APART	Segregate from	
Flammable solids						
	4.1 Readily combustible		Segregate from	Separation may not be necessary	KEEP APART	KEEP APART
	4.2 Spontaneously combustible		Segregate from	Segregate from	Segregate from	Segregate from
	4.3 Dangerous when wet		Segregate from	Separation may not be necessary	KEEP APART	Segregate from
Oxidising substances						
	5.1 Oxidising substances		Segregate from	Separation may not be necessary	Separation may not be necessary	Segregate from
	5.2 Organic peroxides		ISOLATE	Segregate from	Segregate from	ISOLATE
Toxic substances						
			KEEP APART	Separation may not be necessary	Separation may not be necessary	KEEP APART
Corrosive substances						
			KEEP APART	KEEP APART	KEEP APART	KEEP APART

Segregate from

These combinations should not be kept in the same building compartment or outdoor storage compound. Compartment walls should be impermeable, of at least 30 minutes fire resistance and sufficiently durable to withstand normal wear and tear. Brick or concrete construction is recommended. An alternative is to provide separate outdoor storage compounds with an adequate space between them.

Separation may not be necessary

Separation may not be necessary, but consult suppliers about requirements for individual substances. In particular, note that some types of chemicals within the same class, particularly Class 8 corrosives, may react violently, generate a lot of heat if mixed or evolve toxic fumes.

ISOLATE

This is used for organic peroxides, for which dedicated buildings are recommended. Alternatively, some peroxides may be stored outside in fire-resisting secure cabinets. In either case, adequate separation from other buildings and boundaries is required.

4			5		6	8
Segregate from	Segregate from	Segregate from	Segregate from	ISOLATE	KEEP APART	KEEP APART
Separation may not be necessary	Segregate from	Separation may not be necessary	Separation may not be necessary	Segregate from	Separation may not be necessary	KEEP APART
KEEP APART	Segregate from	KEEP APART	Separation may not be necessary	Segregate from	Separation may not be necessary	KEEP APART
KEEP APART	Segregate from	Segregate from	Segregate from	ISOLATE	KEEP APART	KEEP APART
KEEP APART	KEEP APART	Segregate from	Segregate from	Segregate from	KEEP APART	Separation may not be necessary
KEEP APART		KEEP APART	Segregate from	ISOLATE	KEEP APART	KEEP APART
Segregate from	KEEP APART		KEEP APART	Segregate from	Separation may not be necessary	Separation may not be necessary
Segregate from	Segregate from	KEEP APART		Segregate from	KEEP APART	KEEP APART
Segregate from	ISOLATE	Segregate from	Segregate from		KEEP APART	KEEP APART
KEEP APART	KEEP APART	Separation may not be necessary	KEEP APART	KEEP APART		Separation may not be necessary
Separation may not be necessary	KEEP APART	Separation may not be necessary	KEEP APART	KEEP APART	Separation may not be necessary	

KEEP APART

Separate packages by at least 3 m in the storeroom or storage area outdoors. Materials in non-combustible packaging that are not dangerous substances and that present a low fire hazard may be stored in the separation area. This standard of separation should be regarded as a minimum between substances known to react together readily, if that reaction would increase the danger of an escalating incident.

Segregate from or KEEP APART

The lower standard refers to the outside storage of gas cylinders. Where non-liquefied flammable gases are concerned, the 3 m separation distance may be reduced to 1 m.

Where a particular material has the properties of more than one class, the classification giving the more onerous segregation should be used.