

Dangerous Goods Segregation chart

Key



Dangerous goods of the same class should be compatible; consult the SDS or the supplier about requirements for individual substances.



Dangerous goods of the same class could be incompatible or react dangerously; consult the SDS or the supplier about requirements for individual substances.



These combinations of dangerous goods should be segregated by at least 3m from incompatible substances.



Incompatible substances that must NOT be stored together. Must be separated so that substances do not come in contact. Keep in separate compounds or segregate by a distance of at least 3 metres

HSNO Class	GHS Symbols	HSNO Symbols	1 Explosive	2.1 Flammable Gas	2.2 Non-Toxic, Non-Flam, Gas	3.1 Flammable Liquid	4.1 Flammable Solid	4.2 Spontaneously Combustible	4.3 Dangerous when wet	5.1 Oxidiser	5.2 Organic Peroxide	6 Toxic	8 Corrosive	9 Eco-toxic
1 Explosive			✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
2.1 Flammable Gas			✗	?	?	← 3m →	← 3m →	← 3m →	← 3m →	✗	✗	← 3m →	← 3m →	← 3m →
2.2 Non-Toxic Non Flammable Gas			✗	?	✓	← 3m →	← 3m →	← 3m →	← 3m →	✗	✗	← 3m →	← 3m →	← 3m →
3.1 Flammable Liquid			✗	← 3m →	← 3m →	✓	← 3m →	← 3m →	← 3m →	✗	✗	← 3m →	← 3m →	← 3m →
4.1 Flammable Solid			✗	← 3m →	← 3m →	← 3m →	?	← 3m →	← 3m →	✗	✗	← 3m →	← 3m →	← 3m →
4.2 Spontaneously Combustible			✗	← 3m →	← 3m →	← 3m →	← 3m →	✓	← 3m →	✗	✗	← 3m →	← 3m →	← 3m →
4.3 Dangerous when wet			✗	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	✓	✗	✗	← 3m →	← 3m →	← 3m →
5.1 Oxidising Substance			✗	✗	✗	✗	✗	✗	✗	?	✗	✗	✗	✗
5.2 Organic Peroxide			✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗
6 Toxic Substance			✗	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	✗	✗	✓	?	✓
8 Corrosive			✗	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	✗	✗	?	?	✓
9 Eco-toxic			✗	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	← 3m →	✗	✗	✓	✓	✓

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Gasses

HSNO Class		2.1.1A Highly Flammable Gas	2.1.1B Flammable Gas	2.1.2A Flammable Aerosol	2.2 Non-Toxic non-Flam. Gas	2.2/5.1 Non-Toxic non-Flam. Gas/Oxidiser	2.3 or 2.3/8 Toxic or Toxic / Corrosive	'A Protected Place
Examples	GHS							
	UN Pictogram							
Acetylene, LPG	2.1.1A Flammable Gas	✓	✓	↔ 3m ↔	✓	↔ 3m ↔	↔ 3m ↔	↔ 3m ↔
	2.1.1B Flammable Gas	✓	✓	↔ 3m ↔	✓	↔ 3m ↔	↔ 3m ↔	↔ 3m ↔
	2.1.2A Flammable Aerosol	↔ 3m ↔	↔ 3m ↔	✓	✓	↔ 3m ↔	↔ 3m ↔	No specific requirement
Carbon Dioxide	2.2 Non-Toxic Non-Flam. Gas	✓	✓	✓	✓	✓	✓	No specific requirement
Oxygen	2.2/5.1 Non-Toxic, Non-Flam. Gas / Oxidiser	↔ 3m ↔	↔ 3m ↔	↔ 3m ↔	✓	✓	↔ 3m ↔	No specific requirement
Chlorine gas	2.3/8 Toxic / Corrosive	↔ 3m ↔	↔ 3m ↔	↔ 3m ↔	✓	↔ 3m ↔	✓	↔ 3m ↔

Corrosives

HSNO Class		Corrosive Acid	Corrosive Base	Hypochlorites and chlorites
Examples	GHS Symbols			
	HSNO Symbols			
Corrosive Acid	• 8.1A, 8.2B, 8.3A • 8.3A	✓	↔ 3m ↔	↔ 3m ↔
Corrosive Base	• 8.2B • 8.2B • 8.2C	↔ 3m ↔	✓	✓
Hypochlorites and chlorites	• 8.2C Bleach 5% (Commercial Bleach)	↔ 3m ↔	✓	✓

Key



Dangerous goods of the same class should be compatible; consult the SDS or the supplier about requirements for individual substances.



These combinations of dangerous goods should be segregated by at least 3m from incompatible substances.

Notes:

- Class 4.2 substances are all incompatible with air and should be stored accordingly. Refer to additional guidance for more information 5.
- Class 4.3 substances are all incompatible with water and should be stored accordingly.
- Class 6 and Class 8 substances may be incompatible with each other and should be stored accordingly. Refer to additional guidance for more information 5.
- A Protected Place is any place where people are regularly employed. A Protected Place is required to protect workers from HSNO class 6 (Dangerous Goods class 2.3) and 8 substances.
- For further information and for specific hazard classifications refer to:
 - Chemical Safety Data Sheet (SDS)
 - WorkSafe Hazardous Substances Calculator