

SUMMARY OF GHS PICTOGRAMS



Explosive

(divisions 1.1 – 1.4);
Self-reactive substances;
Organic peroxides.



Flammable

Flammable substances;
Pyrophoric substances;
Self-heating substances;
Substances that emit flammable
gases in contact with water.



Oxidising

Oxidising substances.



Corrosive

Corrosive to metals;
Skin corrosion;
Serious eye damage.



Toxic

Acute toxicity
(oral, dermal, inhalation)



Compressed Gas

Compressed, liquefied,
and dissolved gases.



Irritant

Eye or skin irritation;
Skin sensitization;
Respiratory tract irritation;
Narcotic effects.



Health Hazard

Aspiration hazard; Respiratory
sensitization; Carcinogenicity;
Germ cell mutagenicity;
Reproductive toxicity; Specific
target organ toxicity.



Environmental Hazard

Acute or chronic hazards to
the aquatic environment.

DANGEROUS GOODS CLASSIFICATIONS

CLASS 1	CLASS 2	CLASS 2	CLASS 2	CLASS 3
Divisions 1.1–1.6 EXPLOSIVES eg. Anfo	Division 2.1 FLAMMABLE GASES eg. Acetylene	Division 2.2 NON-FLAMMABLE NON-TOXIC GASES eg. Nitrogen	Division 2.3 TOXIC GASES eg. Chlorine	FLAMMABLE LIQUIDS eg. Petrol
CLASS 4	CLASS 4	CLASS 4	CLASS 5	CLASS 5
Division 4.1 FLAMMABLE SOLIDS eg. Sulfur	Division 4.2 SPONTANEOUSLY COMBUSTIBLE SUBSTANCES eg. Zinc Dust	Division 4.3 DANGEROUS WHEN WET eg. Calcium Carbide	Division 5.1 OXIDISING SUBSTANCES eg. Silver Nitrate	Division 5.2 ORGANIC PEROXIDES eg Benzoyl Peroxide
CLASS 6	CLASS 6	CLASS 7	CLASS 8	CLASS 9
Division 6.1 TOXIC SUBSTANCES eg. Sodium Cyanide	Division 6.2 INFECTIOUS SUBSTANCES eg. Anthrax	RADIOACTIVE SUBSTANCES eg. Uranium	CORROSIVE SUBSTANCES eg. Hydrochloric Acid	MISCELLANEOUS DANGEROUS GOODS eg. Asbestos
DANGEROUS GOODS PACKING GROUPS		PG I: Great Danger	PG II: Medium Danger	PG III: Minor Danger



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DG Pocket Reference AUS [rev7.5] 23/10/2019

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STORAGE INCOMPATIBILITIES SEGREGATION GUIDE

The following tables list the requirements (under AS/NZS 3833:2007) for the separation of, and segregation within, stores containing more than one class of dangerous goods, in quantities exceeding those given for minor storage. Dangerous Goods classes not covered in this guide are subject to different standards. In certain jurisdictions, workplace safety regulations and guidelines may apply even to quantities defined as 'minor storage'.

Class	Division		2.1	2.2	3	4.1	4.2	4.3	5.1	5.2	6	8
COMPRESSED GASES	2.1 Flammable	2	C	3m	5m	5m	5m	5m	5m	I	3m	3m
	2.2 Non-flammable/Non-toxic		3m	C	3m	?	5m	?	?	5m	?	3m
FLAMMABLE AND COMBUSTIBLE LIQUIDS		3	5m	3m	C	3m	5m	5m	5m	I	3m	3m
FLAMMABLE SOLIDS	4.1 Flammable Solids	4	5m	?	3m	C	3m	5m	5m	5m	3m	?
	4.2 Spontaneously Combustible		5m	5m	5m	3m	C	3m	5m	I	3m	3m
	4.3 Dangerous When Wet		5m	?	5m	5m	3m	C	3m	5m	?	?
OXIDISING SUBSTANCES	5.1 Oxidising Agents	5	5m	?	5m	5m	5m	3m	*	5m	3m	3m
	5.2 Organic Peroxides		I	5m	I	5m	I	5m	5m	C	3m	3m
TOXIC SUBSTANCES		6	3m	?	3m	3m	3m	?	3m	3m	C	?
CORROSIVE SUBSTANCES		8	3m	3m	3m	?	3m	?	3m	3m	?	*

LEGEND	
C	SHOULD BE COMPATIBLE. Consult the SDS or supplier about requirements for individual substances.
?	SEGREGATION MAY BE NECESSARY. Consult the SDS or supplier.
*	COULD BE INCOMPATIBLE or react dangerously. Consult the SDS or supplier about requirements for individual substances.
3m	SHOULD BE KEPT APART by at least 3m. Consult the SDS or supplier.
5m	SHOULD BE SEGREGATED by at least 5m and kept in separate compounds or building compartments.
I	ISOLATION REQUIRED. Dedicated stores or storage cabinets are recommended. Adequate separation from other buildings and boundaries is required.

DEDICATED COMPRESSED GAS STORE UNDER AS 4332:2004				
Div	2.1	2.2	2.2 / 5.1	2.3 or 2.3/8
2.1	C	C	3m	3m
2.2	C	C	C	C
2.2 / 5.1	3m	C	C	3m
2.3 or 2.3/8	3m	C	3m	C

IMPORTANT NOTE:

Generally, goods classed as Explosives (DG1) or Radioactive Substances (DG7) are incompatible with everything.

MAXIMUM MINOR STORAGE QUANTITIES

Description	Quantity (kg or L)			
	PG I	PG II	PG III	Combustible Liquids
Total quantity of all dangerous goods	25	250	1000	1500

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