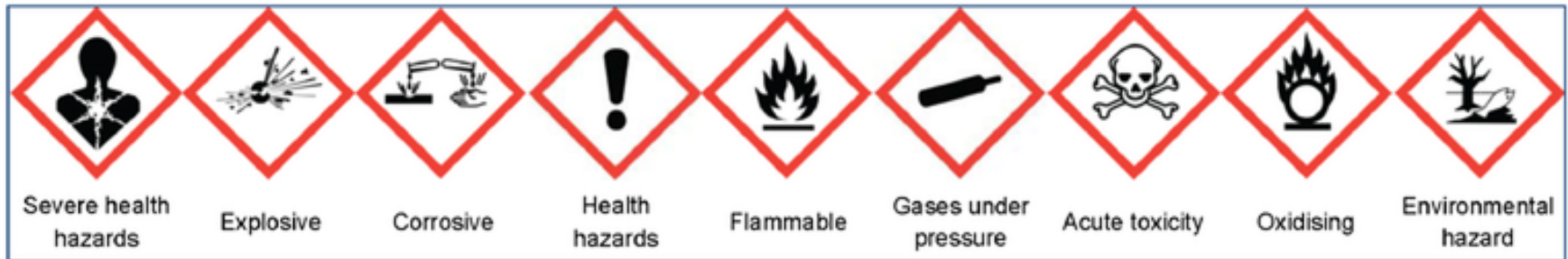


DG and GHS Classification System

SEGREGATION of DANGEROUS GOODS



DG and GHS Classification System

Segregation

Chemicals **must** be segregated from:

- Other chemicals they might react with.
- Any food products they might contaminate.

DG and GHS Classification System

Segregation by Class or Division

Segregation is determined by the Primary Risk or the Subsidiary Risk, whichever is the most stringent





DG and GHS Classification System



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Class A Foam Concentrate
PHOS-CHEK® WD881



Transit Depots

DG and GHS Classification System

HAZARDOUS SUBSTANCES STORAGE CODE

APPROVED CODE OF PRACTICE UNDER THE HSNO ACT 1996 HSNO COP 16-1



	Explosives 1	Flammable Gas 2.1 including 2.1.1A & B	Flammable Aerosol 2.1 including 2.1.2A	Flammable Liquid 3.1 including 3.1A, B & C	Liquid Desensitized Explosive 3 including 3.2A & B & C	Flammable Solid 4.1 including 4.1.1A & B - 4.1.2A, B, C, D, E, F, G - 4.1.3A, B & C	Spontaneously Combustible 4.2 including 4.2A, B & C	Dangerous When Wet 4.3 including 4.3A, B & C	Organic Peroxide 5.2 including 5.2A, B, C, D, E & F	Toxic 6.1 including 6.1A, B & C	Toxic 6.2 including 6.2A, B & C	Infectious Substances 6.2	Radioactive Materials 7	Corrosive Acid 8 PG I & II including 8.2A & B	Corrosive Alkali 8 PG I & II including 8.2A & B	Corrosive Acid 8 PG III including 8.2C	Corrosive Alkali 8 PG III including 8.2C	Ecotoxic 9.1A & B	Food Item (see NOTES)
Explosives 1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Flammable Gas 2.1 including 2.1.1A & B	4	✓	✗	✗	1	1	1	1	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flammable Aerosol 2.1 including 2.1.2A	4	✗	✓	✗	1	1	1	1	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flammable Liquid 3.1 including 3.1A, B & C	4	✗	✗	✓	1	1	1	1	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓
Liquid Desensitized Explosive 3 including 3.2A, B & C	4	1	1	1	✓	1	1	1	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓
Flammable Solid 4.1 including 4.1.1A & B - 4.1.2A, B, C, D, E, F, G - 4.1.3A, B & C	4	1	1	1	1	✓	1	1	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spontaneously Combustible 4.2 including 4.2A, B & C	4	1	1	1	1	✓	1	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dangerous When Wet 4.3 including 4.3A, B & C	4	1	1	1	1	1	✓	2	3	✓	✓	✓	✓	1	1	1	1	✓	✓
Organic Peroxide 5.2 including 5.2A, B, C, D, E & F	4	2	2	2	2	2	✓	3	2	2	2	2	2	2	2	2	2	✓	✓
Toxic 6.1 including 6.1A, B & C	4	3	3	3	3	3	3	✓	3	3	3	3	3	3	3	3	3	✓	✓
Toxic 6.2 including 6.2A, B & C	4	✓	✓	✓	✓	✓	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infectious Substances 6.2	4	✓	✓	✓	✓	✓	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Radioactive Materials 7	4	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Corrosive Acid 8 PG I & II including 8.2A & B	4	✓	✓	✓	✓	✓	1	2	3	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗
Corrosive Alkali 8 PG I & II including 8.2A & B	4	✓	✓	✓	✓	✓	1	2	3	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗
Corrosive Acid 8 PG III including 8.2C	4	✓	✓	✓	✓	✓	1	2	3	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗
Corrosive Alkali 8 PG III including 8.2C	4	✓	✓	✓	✓	✓	1	2	3	✓	✗	✗	✗	✗	✗	✗	✗	✓	✗
Ecotoxic 9.1A & B	4	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗
Food Item (see NOTES)	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

KEY

- ✓ Compatible substances that can be stored together
- ✗ 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
- 1 Separation requirement: Fire resistant wall rated 120/120/120 minutes, or separate by three metres
- 2 Separation requirements for 5.1: Fire resistant wall rated 120/120/120 minutes, or separate by the correct distance required in HS (Classes 1 to 5 Controls) Regulations 87 and 95
- 3 Separation requirements for 5.2: Fire resistant wall rating for appropriate use, or separate by the correct distance required in HS (Classes 1 to 5 Controls) Regulation 105 and 117
- 4 Explosives require special storage. Refer HS (Classes 1 to 5 Controls) Regulations 2001

NOTES

- * Consult the Safety Data Sheet (SDS) or Supplier to confirm compatibility
- * Packaging: This code provides a means of compliance for the storage of packages and transportable containers [IBCs]
- * Food Item: means both (a) Anything that is used or represented for use as food or drink for humans or animals, and (b) Any packaging known, reasonably expected to be known, intended for, or which may in the future be used to contain food, drink, or any other substance intended for human or animal consumption. (Land Transport Rule: Dangerous Goods 2005)
- * Classes 6.1D, 6.1E, 6.3, 6.4, 6.5, 6.6, 6.7, 6.8 and 6.9 should be stored same as Toxic 6.1
- * Classes 8.1 and 8.3 **must** be stored same as 8.2C
- * Flammable liquid 3.1D **must** be stored same as 3.1
- * Ecotoxic 9.1C, 9.1D, 9.2, 9.3, & 9.4 **should** be stored same as 9.1A & B
- * Ecotoxic pictogram can be or
- * Classes 6.2 & 7, and Food Item are not covered by the HSNO Act 1996

REFERENCES

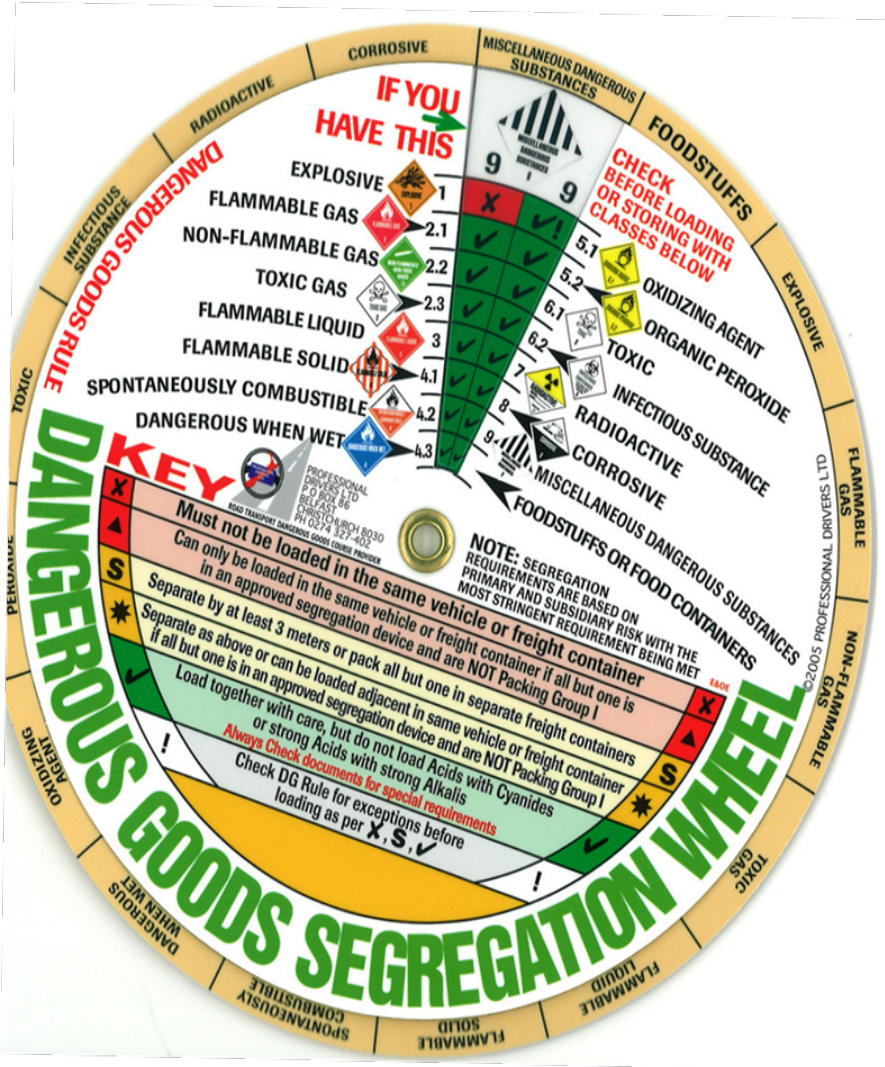
- Hazardous Substances (Classes 1-5 Controls) Regulations 2001
- Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001
- Hazardous Substances (Classification) Regulations 2001
- New Zealand Gazette Hazardous Substances Notices 2004-2006
- Land Transport Rule: Dangerous Goods 2005

Segregation Chart

Storekeeper Compliance Tool



DG and GHS Classification System



DG Segregation Wheel

Loader/Driver/Storeman Compliance Tool

DG and GHS Classification System

Segregation Example

Class 3 PG III to move with Class 4.1



Class 3 and Class 4.1 can move together

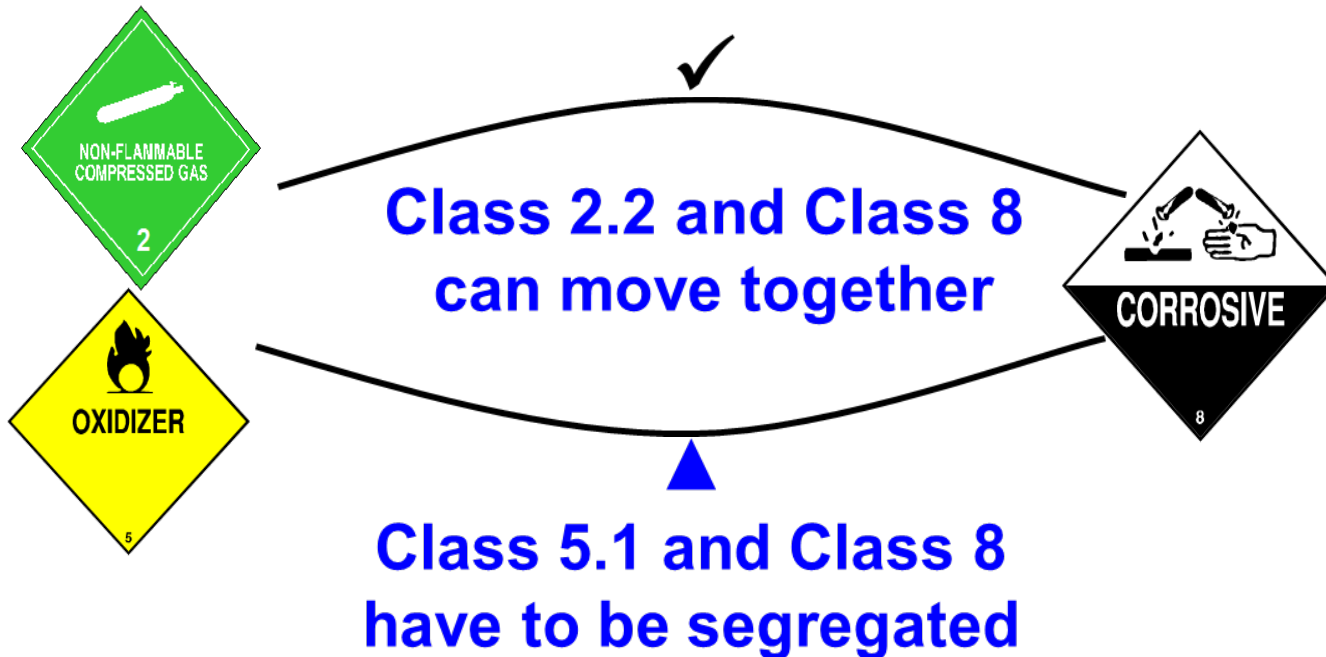


ONTARIO
671-3KX

DG and GHS Classification System

Segregation Example

Class 2.2 Sub Risk 5.1 to move with Class 8 PG I



▲ Can only be loaded in the same vehicle or freight container if all but one is in an approved segregation device and are **NOT PG I**

DG and GHS Classification System

Cyanides and Acids

Acids and Cyanide compounds cannot be loaded together.



UN 1689 SODIUM CYANIDE



UN 1789 HYDROCHLORIC ACID



DG and GHS Classification System



Prevent your next emergency!



Correctly segregate your consignment