

HAZARDOUS GUIDE

A breakdown of the haz classes and what they mean

Hazardous goods have been classified into nine different classes by the IMO (International Maritime Organisation) a table below will act as a quick guide to what type of goods come under what hazardous classification.

Title

Description



Class 1 - Explosives

- 1.1 Substances with the hazardous of potential mass explosion
- 1.2 Projection hazardous but no mass explosion hazard
- 1.3 Substances which present a fire hazard and also a minor blast or projection hazard, or both but without the risk of mass explosion.
- 1.4 No significant hazard
- 1.5 Insensitive substance, but mass explosion potential
- 1.6 Insensitive article, but with no mass explosion potential



Class 2 - Gases; compressed, liquefied, or dissolved under pressure

- 2.1 Flammable gases
- 2.2 Non flammable, non toxic gases
- 2.3 Toxic gases



Class 3

Flammable liquids of all kinds



Class 4 - Flammable solids

- 4.1 Flammable solids, self reactive substances and solid desensitized explosives
- 4.2 Substance that can potentially spontaneously combust
- 4.3 Substance which emits flammable gas when in contact with water



Class 5 - Oxidizing substances and organic peroxides

- 5.1 Oxidizing substances emitting oxygen which increase risk and severity of fire
- 5.2 Organic peroxides - highly flammable and sensitive to friction/impact



Class 6 - Toxic and infectious substances

- 6.1 Substances of Toxic Nature
- 6.2 Infectious substances



Class 7

Radioactive substances and articles of all kinds



Class 8

Corrosive substances of all kinds



Class 9

Miscellaneous dangerous substances of all kinds

Packing groups

The hazardous class will also have a certain requirement for the level of packing group it requires to safely transport it. The lower the number of the packing group, the higher the risk of the product. Products/substances that are very dangerous will be shipped using Packing Group I for example, those of a medium danger level to go in Packing Group II, and those of the lowest risk go into Packing Group III



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