

Appendix 2 Hazard classifications and thresholds of priority management chemicals

Hazards Category		Threshold (ton)
Health Hazards	Acute toxicity ▪ Category 1 (oral, skin, inhalation)	5
	Acute toxicity ▪ Category 2 (oral, skin, inhalation) ▪ Category 3 (oral, skin, inhalation)	50
	Carcinogenicity ▪ Category 2	50
	Germ cells mutagenicity ▪ Category 2	50
	Toxic to reproduction ▪ Category 2	50
	Respiratory sensitization ▪ Category 1	50
	Serious eye damage/eye irritation ▪ Category 1	50
	Specific target organ systemic toxicity (single exposure) ▪ Category 1	50
	Specific target organ systemic toxicity (repeated exposure) ▪ Category 1	50
	Physical Hazards	Explosives Unstable explosives ▪ 1.1, 1.2, 1.3, 1.5, 1.6
Explosives ▪ 1.4		50
Flammable Gases ▪ Category 1 or Category 2		10
Flammable Aerosols ▪ Category 1 or Category 2 (including flammable gases, category 1, category 2, or flammable liquid, category 1)		150
Flammable Aerosols ▪ Category 1 or Category 2 (excluding flammable gases, category 1, category 2, or flammable liquid, category 1)		5000

Oxidizing Gases ▪ Category 1	50
Flammable liquids ▪ Category 1 ▪ Category 2, or Category 3, with a storage temperature above the boiling point	10
Flammable liquids ▪ Category 2, or Category 3, with a storage temperature below the boiling point. Serious hazardous events may occur under certain production conditions (e.g. high temperature or high pressure)	50
Flammable liquids ▪ Category 2, or Category 3, not included in the special conditions aforementioned	5000
Self-reactive substances and mixtures, and Organic peroxides ▪ Self-reactive substances and mixtures: Type A or Type B ▪ Organic peroxides: Type A or Type B	10
Self-reactive substances and mixtures, and Organic peroxides ▪ Self-reactive substances and mixtures: Type C, Type D, Type E, Type F ▪ Organic peroxides: Type C, Type D, Type E, Type F	50
Pyrophoric liquids and solids ▪ Pyrophoric liquids Category 1 ▪ Pyrophoric solids Category 1	50
Oxidizing liquids and solids ▪ Oxidizing liquids Category 1, Category 2, Category 3 ▪ Oxidizing solids Category 1, Category 2, Category 3	50
Substances and mixtures, which in contact with water, emit flammable gases ▪ Category 1	100

Note:

1. The “threshold” used in the table refers to the maximum quantity of the chemicals (including substances and mixtures) which are present at any one time in the workplace, including the acts of manufacturing, importing, supplying, handling or using.
2. A handler handling two or more priority management chemicals of item 2, subparagraph 2, Article 2 shall also use the formula in Article 9 of these Regulations to calculate the sum, if the maximum aggregated handling quantity of the individual chemical does not reach the threshold, as specified in this table.
3. In the workplace, if the maximum aggregated quantity of the priority management chemical

present is equal to or less than 2% of the relevant threshold, calculation of the sum may be ignored.

4. In the case of chemical with hazardous properties giving rise to two or more classifications, for the purpose of calculating the sum, the lowest threshold shall apply.