**WHMIS 2015 retains the use of class symbols:**

|  |  |
| --- | --- |
| **Symbols** | **Description** |
| WHMIS flame Symbol | Name:  **Flame**  **Meaning**: Oxidizer  **Classes and Categories**   * Flammable gases (Category 1) * Flammable aerosols (Category 1 and 2) * Flammable liquids (Category 1, 2 and 3) * Flammable solids (Category 1 and 2) * Pyrophoric liquids (Category 1) * Pyrophoric solids (Category 1) * Pyrophoric gases (Category 1) * Self-heating substances and mixtures (Category 1 and 2) * Substances and mixtures which, in contact with water, emit flammable gases (Category 1, 2 and 3) * Self-reactive substances and mixtures (Types B\*, C, D, E and F) * Organic peroxides (Types B\*, C, D, E and F) |
| WHMIS flame_circle symbol | Name: **Flame Over Circle**  **Meaning:** Flammable, Self-Reactive, Pyrophoric, Self-heating, In Contact With Water, Emits Flammable Gases, Organic Peroxide  Classes and Categories   * Oxidizing gases (Category 1) * Oxidizing liquids (Category 1, 2 and 3) * Oxidizing solids (Category 1, 2 and 3) |
| WHMIS exploding bomb Symbol | **Name:** **Exploding Bomb**  **Meaning:** Explosive\*\*, Self-Reactive (severe), Organic Peroxide (severe)  Classes and Categories   * Self-reactive substances and mixtures (Types A and B\*) * Organic peroxides (Types A and B\*) |
|  | **Name**:**Gas Cylinder**  **Meaning**: **Gas Under Pressure**  Classes and Categories   * Gases under pressure (Compressed gas, Liquefied gas, Refrigerated liquefied gas, and Dissolved gas) |
|  | **Name**:**Gas Cylinder**  **Meaning:** **Acute Toxicity (fatal or toxic)**  **Classes and Categories**   * Oral (Category 1, 2 and 3) * Dermal (Category 1, 2 and 3) * Inhalation (Category 1, 2 and 3) |
|  | **Name: Corrosion**  **Meaning**: Serious Eye Damage, Skin Corrosion, Corrosive to Metals  **Classes and Categories**   * Corrosive to metals (Category 1) * Skin corrosion/irritation – Skin corrosion (Category 1, 1A, 1B and 1C) * Serious eye damage/eye irritation – Serious eye damage ( Category 1) |
|  | **Name: Exclamation Mark**  **Meaning:** Irritation (skin or eyes), Skin Sensitization, Acute Toxicity (harmful), Specific Target Organ Toxicity (drowsiness or dizziness, or respiratory irritation), Hazardous to the Ozone Layer\*\*  **Classes and Categories**   * Acute toxicity – Oral, Dermal, Inhalation (Category 4) * Skin corrosion/irritation – Skin irritation (Category 2) * Serious eye damage/eye irritation – Eye irritation (Category 2 and 2A) * Respiratory or skin sensitization – Skin sensitizer (Category 1, 1A and 1B) * Specific target organ toxicity – Single exposure (Category 3) |
|  | **Name: Health Hazard**  **Meaning:** Carcinogenicity, Respiratory Sensitization, Reproductive Toxicity, Target Organ Toxicity, Germ Cell Mutagenicity, Aspiration Hazard  **Classes and Categories**   * Respiratory or skin sensitization – Respiratory sensitizer (Category 1, 1A and 1B) * Germ cell mutagenicity (Category 1, 1A, 1B and 2) * Carcinogenicity (Category 1, 1A, 1B, and 2) * Reproductive toxicity (Category 1, 1A, 1B and 2) * Specific Target Organ Toxicity – Single exposure (Category 1 and 2) * Specific Target Organ Toxicity – Repeated exposure (Category 1 and 2) * Aspiration hazard (Category 1) |
|  | **Name: Environment**  **Meaning:** Aquatic Toxicity\*\*  May cause damage to the aquatic environment |
|  | **Name: Biohazardous**  **Meaning:** Biohazardous Infectious Materials  **Classes and Categories**   * Biohazardous Infectious Materials (Category 1) |

**\* Both the Flame and Explosive pictogram are used for Self-reactive substances and mixtures (Type B) and Organic peroxides (Type B)**

***\*\* Not required by WHMIS 2015, but may be used.***

## **WHMIS 1988 (Old) Symbols with meaning**

**WHMIS 1988 retains the use of class symbols:**The following table shows the pictograms. The name of each pictogram is in bold type. The words in the brackets describe the hazard.

|  |  |  |
| --- | --- | --- |
| **Symbols** | **Hazard class** | **Meaning** |
| Compressed Gas WHMIS Symbols | CLASS A | **Compressed Gas** |
| Flammable and Combustible Material WHMIS Symbols | CLASS B | **Flammable and Combustible Material** |
| Oxidizing Material | CLASS C | **Oxidizing Material** |
| Poisonous and Infectious Material WHMIS Symbols | CLASS D1 | **Poisonous and Infectious Material** (causing immediate and serious effects) |
| CLASS D2 WHMIS Symbols | CLASS D2 | **Poisonous and Infectious Material** (causing other toxic effects) |
| CLASS D3 WHMIS Symbols | CLASS D3 | **Poisonous and Infectious Material**  (Biohazardous Infectious Material) |
| Corrosive Material symbol | **CLASS E** | **Corrosive Material** |
| Dangerously Reactive Material symbol | **CLASS F** | **Dangerously** **Reactive Material** |

**Reference**: <https://www.ccohs.ca/WHMISpictograms.html>