**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 PeroxideClasses 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>