











WHMIS 2015 Pictograms

Workplace Hazardous Materials Information System (WHMIS)

Hazard Pictogram	Symbol Descriptor	Classification	Example of Risks	Example of Safe Handling Procedure
	Gas Cylinder	<ul style="list-style-type: none"> • Gases Under Pressure 	<p>MATERIALS WHICH ARE NORMALLY GASEOUS KEPT IN A PRESSURIZED CONTAINER</p> <ul style="list-style-type: none"> • May explode if heated, punctured or dropped 	<p>ENSURE CONTAINER IS ALWAYS SECURED</p> <ul style="list-style-type: none"> • Store in appropriate designated areas • Do not drop or allow to fall • Protect from mechanical damage
	Flame	<ul style="list-style-type: none"> • Flammable • Pyrophoric • Self-Heating • In Contact with Water, Emits Flammable Gases • Self-Reactive • Organic Peroxide 	<p>MATERIALS WHICH WILL CONTINUE TO BURN AFTER BEING EXPOSED TO A FLAME OR OTHER IGNITION SOURCE</p> <ul style="list-style-type: none"> • Maybe ignite if exposed to heat, sparks, friction, flames or incompatible material 	<p>STORE IN PROPERLY DESIGNATED AREAS</p> <ul style="list-style-type: none"> • Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. • Store in a well-ventilated, cool place.
	Flame over circle	<ul style="list-style-type: none"> • Oxidizer 	<p>MATERIALS WITH CAN CAUSE OTHER MATERIALS TO BURN OR SUPPORT COMBUSTION</p> <ul style="list-style-type: none"> • Including Oxidizing Gases, Liquids, Solids • May cause fire or explosion • May enhance the combustion of other materials 	<p>STORE IN AREAS AWAY FROM COMBUSTIBLES IN WELL-VENTILATED, COOL PLACE</p> <ul style="list-style-type: none"> • Store in proper containers which will not rust or oxidize • Keep away from heat, hot surfaces, sparks • Keep valves and fittings free from oil and grease
	Exclamation Mark	<ul style="list-style-type: none"> • Skin and/or Eye Irritant • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic effects • Hazardous to the Ozone Layer* 	<p>POISONOUS MATERIALS WHICH CAUSE IMMEDIATE AND SEVERE HARM</p>	<p>AVOID BREATHING DUST OR VAPOURS AVOID CONTACT WITH SKIN OR EYES</p> <ul style="list-style-type: none"> • Wear personal protective equipment which is effective for exposure situation • Work in well ventilated areas • Wash potentially exposed body parts thoroughly after handling
	Health Hazard	<ul style="list-style-type: none"> • Carcinogenicity • Germ Cell Mutagenicity • Reproductive Toxicity • Respiratory Sensitization • Specific Target Organ Toxicity • Aspiration Hazard 	<p>MATERIALS WHICH CAN CAUSE OR ARE SUSPECTED OF CAUSING SERIOUS LONG TERM HEALTH EFFECTS</p>	<p>WORK IN A WELL VENTILATED AREA</p> <ul style="list-style-type: none"> • Store in appropriate designated areas • Avoid direct contact • Use personal protective equipment • Obtain and learn special instructions / controls before use • Avoid repeated and / or prolonged exposure situations
	Biohazardous Infectious	<ul style="list-style-type: none"> • Biohazardous Infectious Materials 	<p>INFECTIOUS AGENTS OR BIOLOGICAL TOXIN CAUSING SERIOUS DISEASE OR DEATH</p> <ul style="list-style-type: none"> • May cause anaphylactic shock • Includes exposure to Viruses, Yeasts, Molds, Bacteria, and Parasites which may cause disease in animals or humans 	<p>FOLLOW SAFE LABORATORY PRACTICES AND PROCEDURES</p> <ul style="list-style-type: none"> • Avoid forming aerosols and breathing vapours • Store only in special designated areas with limited access and appropriate engineering controls • Follow routine practices / universal precautions, such as hand hygiene and glove use
	Corrosion	<ul style="list-style-type: none"> • Corrosive to Metals • Serious Eye Damage • Severe Skin Burns 	<p>MATERIALS WHICH REACT WITH METALS AND LIVING TISSUE</p> <ul style="list-style-type: none"> • Skin Corrosion/Burns • Serious Eye Damage • Corrosive to Metals 	<p>USE APPROPRIATE STORAGE CONTAINERS AND ENSURE PROPER NON VENTING CLOSURES</p> <ul style="list-style-type: none"> • Wear appropriate Personal Protective Equipment including respiratory protection
	Exploding Bomb	<ul style="list-style-type: none"> • Self-Reactive (Severe) • Organic Peroxide (Severe) • Explosive* 	<p>MATERIALS WHICH MAY EXPLODE DUE TO REACTION TO FIRE, SHOCK, FRICTION, HEAT, PUNCTURE, OR INCOMPATIBLE MATERIAL</p>	<p>HANDLE WITH CARE AVOIDING VIBRATION, SHOCKS AND SUDDEN TEMPERATURE CHANGES</p> <ul style="list-style-type: none"> • Store in appropriate containers • Ensure storage containers are sealed • Store and work in designated areas
	Skull and Crossbones	<ul style="list-style-type: none"> • Acute toxicity (Fatal or toxic) 	<p>MATERIALS WHICH CAN CAUSE TOXICITY OR DEATH EVEN IN SMALL QUANTITIES</p>	<p>AVOID BREATHING FUMES AND VAPOURS AND SKIN CONTACT</p> <ul style="list-style-type: none"> • Wear appropriate personal protective equipment • Work in well ventilated areas • Follow manufacturer's use, handling, storage, and disposal instructions to prevent acute exposure and adverse health effects
N/A		<ul style="list-style-type: none"> • Not all hazard classes and categories have pictograms (e.g. Combustible Dusts, Simple Asphyxiant, and some less severe hazard categories) 	<p>MAY CAUSE UNCONSCIOUSNESS OR DEATH BY SUFFOCATION</p> <ul style="list-style-type: none"> • Risk of dust explosion or exposure 	<p>DO NOT USE WITHOUT UNDERSTANDING THE HAZARD</p> <ul style="list-style-type: none"> • Apply appropriate controls
	Environment (not mandatory)	<ul style="list-style-type: none"> • Aquatic Toxicity* 	<p>MAY BE HARMFUL TO AQUATIC LIFE OR CAUSE LONG-LASTING EFFECTS TO THE AQUATIC ENVIRONMENT</p>	<p>USE PRODUCT ACCORDING TO DIRECTIONS</p> <ul style="list-style-type: none"> • Avoid release to the natural environment. • Dispose in accordance with all regulatory requirements and obligations

*Not required by WHMIS, but may be used