








## Municipal Hazardous or Special Waste (MHSW) Material Groupings

<b>Municipal Hazardous Waste</b>		
<p><b>Flammable materials</b></p>	<p><b>Defined by one or more of the following:</b></p> <ul style="list-style-type: none"> <li>Consumer Chemical &amp; Container Regulations; or</li> <li>C.S.A. Standard Z752-03; or</li> <li>Ont. Reg. 347</li> </ul>	
<p><b>Inclusions</b></p> <p>Products required, by the CCCR, to display the following symbol:</p> <div style="text-align: center;">  </div> <p>Products required to display, by the CCCR, one or more of the following statements:</p> <ul style="list-style-type: none"> <li>EXTREME DANGER;</li> <li>CONTENTS MAY CATCH FIRE;</li> <li>FUMES MAY CATCH FIRE;</li> <li>Do not smoke;</li> <li>Use only in a well-ventilated area;</li> <li>Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor;</li> <li>DANGER;</li> <li>CAUTION;</li> <li>READ INSTRUCTIONS BEFORE USING;</li> <li>DANGER OF COMBUSTION;</li> <li>Materials such as rags used with this product may begin to burn by themselves;</li> <li>After use, put rags in water or lay flat to dry, then discard;</li> <li>Keep away from flames or sparks.</li> </ul> <p>Flammable liquids &amp; solids</p> <p>Ignitable compressed gases</p> <p>Oxidizing substances</p> <p>Products that display the following symbols (per CSA Std.):</p> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="text-align: center; margin-right: 10px;">  </div> <span>or</span> <div style="text-align: center; margin-left: 10px;">  </div> </div>	<p><b>Examples</b></p> <p>Camping fuel, kerosene, gasoline., adhesives, automotive additives &amp; cleaners, coatings, caulking, filler, grout, fibreglass resins, solvents, thinners, sealers, strippers, undercoating, patches, driveway sealers, waxes, polishes, wood preservatives, antifreezes, de-icers, gas-line antifreeze, pesticides, solid fuels.</p> <p>Propane, butane, cigarette lighters, acetylene</p> <p>Calcium hypochlorite Sodium peroxydisulfate MEK peroxide</p>	<p><b>Exclusions</b></p> <p>Solvents as defined under Municipal Special Waste. Paints as defined under Municipal Special Waste.</p>

## Municipal Hazardous Waste

<p><b>Corrosive materials</b></p>	<p><b>Defined by one or more of the following:</b></p> <ul style="list-style-type: none"> <li>• Consumer Chemical &amp; Container Regulations; or</li> <li>• C.S.A. Standard Z752-03; or</li> <li>• Ont. Reg. 347</li> </ul>	
<p><b>Inclusions</b></p>	<p><b>Examples</b></p>	<p><b>Exclusions</b></p>
<p>Products required, by the CCCR, to display the following symbol:</p>  <p>Products required to display, by the CCCR, one or more of the following statements:</p> <ul style="list-style-type: none"> <li>• EXTREME DANGER</li> <li>• VERY CORROSIVE</li> <li>• CAUSES SEVERE BURNS</li> <li>• SYMPTOMS MAY NOT APPEAR IMMEDIATELY</li> <li>• DANGEROUS FUMES FORM WHEN MIXED WITH OTHER PRODUCTS</li> <li>• Do not swallow</li> <li>• Do not get in eyes</li> <li>• Do not get on skin or clothing</li> <li>• Do not breathe fumes</li> <li>• Handle with extreme care.</li> <li>• Keep out of reach of children</li> <li>• Use only in a well-ventilated area</li> <li>• If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting</li> <li>• If in eyes, rinse with water for</li> <li>• If on skin, rinse well with water</li> <li>• If on clothes, remove clothes</li> <li>• If breathed in, move person to fresh air</li> <li>• DANGER</li> <li>• CORROSIVE</li> <li>• CAUSES BURNS</li> <li>• Handle with care</li> <li>• CAUTION</li> <li>• IRRITANT</li> <li>• MAY IRRITATE EYES</li> <li>• MAY IRRITATE SKIN</li> </ul> <p>Corrosive liquids, solids gels and pastes</p> <p>Products designed to go down the drain that are in packaging greater than one litre and that display the following symbol (per CSA Std.):</p> 	<p><b>Acids</b> (e.g., muriatic, sulphuric, etc.), acidic cleaning products, de-scalers, tire cleaners, drain openers.</p> <p><b>Bases</b> (e.g., sodium hydroxide), basic cleaning products, drain openers, paint remover, masonry products (cement powders).</p>	<p>Those items defined under Municipal Special Waste.</p>

## Municipal Hazardous Waste

<b>Toxic materials</b>	<b>Defined by one or more of the following:</b>	
	<ul style="list-style-type: none"> <li>• Consumer Chemical &amp; Container Regulations; or</li> <li>• C.S.A. Standard Z752-03.</li> </ul>	
<b>Inclusions</b>	<b>Examples</b>	<b>Exclusions</b>
<p>Products required, by the CCCR, to display the following symbol:</p>  <p>Products required to display, by the CCCR, one or more of the following statements:</p> <ul style="list-style-type: none"> <li>• DANGER</li> <li>• POISON</li> <li>• CONTENTS HARMFUL</li> <li>• FUMES HARMFUL</li> <li>• Do not swallow</li> <li>• May cause blindness if swallowed</li> <li>• Do not get in eyes or on skin or clothing</li> <li>• Do not breathe fumes</li> <li>• Keep out of reach of children</li> <li>• Use only in a well-ventilated area</li> <li>• If swallowed, call a Poison Control Centre or doctor immediately</li> <li>• If in eyes or on skin, rinse well with water</li> <li>• If on clothes, remove clothes</li> <li>• If breathed in, move person into fresh air</li> <li>• CAUTION</li> <li>• CONTENTS MAY BE HARMFUL</li> <li>• FUMES MAY BE HARMFUL</li> </ul> <p>Other toxins and poisons</p> <p>Products that display the following symbol (per CSA Std.):</p> 	<p>Adhesives (contact cements, glues, epoxies) automotive additives &amp; cleaners, coatings, caulking, filler, grout, fibreglass resins, sealers, strippers, undercoating, patches driveway sealers, waxes, polishes, wood preservative, other anti-freezes and de-icers.</p> <p>Pesticides, fertilizers.</p>	<p>Those items defined under Municipal Special Waste.</p>
<b>Reactive Materials</b>	<b>Defined by Ont. Reg. 347</b>	
<b>Inclusions</b>	<b>Examples</b>	<b>Exclusions</b>
<p>Materials that react with;</p> <p>Air and/or water producing a gas;</p> <p>Materials that explode.</p>	<p>Isocyanate foams;</p> <p>Metal powders;</p> <p>Pesticides;</p> <p>Gas cylinders, medical inhalers.</p>	<p>Those items defined under Municipal Special Waste such as aerosols.</p> <p>Flares, munitions, fireworks..</p>
<b>Leachate Toxic</b>	<b>Materials as defined by Ont. Reg. 347</b>	
<b>Inclusions</b>	<b>Examples</b>	<b>Exclusions</b>
<p>Materials that upon extraction produce an extract containing a toxic substance in a quantity greater than the limit identified by the regulation.</p>	<p>Those materials identified in Schedule 4 of Regulation 347 that exceed the limit set out in the regulation.</p>	<p>Those materials that do not exceed the limit set out in the regulation.</p>

<b>Municipal Special Waste</b>		
<b>Group &amp; Inclusions</b>	<b>Examples</b>	<b>Exclusions</b>
<b>Batteries</b>		
Includes both single-use and rechargeable batteries, as well as wet cell, gel-cell and dry-cell technologies.	Primary use, dry cell batteries; Secondary use, rechargeable batteries; Lead acid batteries.	Those batteries defined as vehicle lead acid batteries.
<b>Pressurized Containers</b>		
Means: <ul style="list-style-type: none"> <li>Seamless Cylinders and Tubes: TC-3AAM, TC-3AAXM, TC-3ALM, TC-3AM, TC-3ANM, TC-3ASM, TC-3AXM, TC-3EM, and TC-3HTM.</li> <li>Welded Cylinders and Spheres: TC-4AAM-33, TC-4BM, TC-4BM17ET, TC-4BAM, TC-4BWM, TC-4DM, TC-4DAM, TC-4DSM and TC-4EM.</li> <li>Non-refillable Containers: TC-39M</li> <li>Composite Cylinders: TC-3FCM and TC-3HWM.</li> <li>Insulated Cylinders: TC-4LM</li> <li>Cylinders for Acetylene Service: TC-8WWM, TC-8WAM.</li> </ul>	Acetylene; Propane; Freon; Isocyanate resins; Helium; Nitrogen; Oxygen.	
<b>Aerosol Containers</b>		
Aerosol container means any non-refillable means of containment that: (a) contains a substance under pressure; and (b) is fitted with a self-closing device allowing the contents to be ejected: <ul style="list-style-type: none"> <li>(i) as solid or liquid particles in suspension in a gas,</li> <li>(ii) as a foam, paste or powder, or</li> <li>(iii) as a liquid or a gas.</li> </ul>	All aerosol containers regardless of product contents.  May display this symbol: ;	Aerosol containers containing products for human consumption
<b>Portable Fire Extinguishers</b>		
Portable fire extinguisher means a portable device, carried or on wheels and operated by hand, containing an extinguishing agent that can be expelled under pressure for the purpose of suppressing or extinguishing fire.	ABC Extinguishers; Halon Extinguishers; Carbon Dioxide Extinguishers.	Non-portable fire extinguishers.
<b>Fertilizers and the containers in which they were contained</b>		
Means packaged products regulated under the Fertilizers Act (Canada).	All N-P-K fertilizers, micronutrients, supplements that are registered under the Fertilizers Act (Canada), and therefore would bear a Fertilizers Act Registration Number and are packaged in 30 kilogram quantities or less..	Compost (that does not make N-P-K claim); Supplements sold only for correction of soil acidity or alkalinity;; Peat, peat moss, sphagnum moss, tree bark and other fibrous organic matter that is represented for use only in improving the physical conditions of the soil.; Products sold in containers with a volume greater than 30 litres.
<b>Fungicides, Herbicides, or Pesticides, and the containers in which they were contained</b>		
Means pesticides including fungicides, herbicides and insecticides registered under the Pest Control Products Act (Canada).	Products identified for domestic use required to display on the label the Pest Control Product Regulation	Insect repellents for personal use; Sanitizers and disinfectants;

<b>Municipal Special Waste</b>		
<b>Group &amp; Inclusions</b>	<b>Examples</b>	<b>Exclusions</b>
	Registration Number.	Pet products; Products regulated under the Food and Drugs Act (Canada); Pool chemicals; Insecticidal soaps; Diatomaceous earth; Ant traps.
<b>Paints and Coatings, and the containers in which they were contained</b>		
Means latex, oil and solvent-based coatings, including paints and stains, whether tinted or untinted.	Examples include Alkyd paints and coatings; Latex paint and coatings; Stains.	Commercial and industrial paints and coatings; Products sold in containers with a volume greater than 30 litres.
<b>Lubricating Oil Containers</b>		
Oil containers with a volume of 30 litres or less, which are used for the containment of lubricating oil products including: <ul style="list-style-type: none"> <li>- Petroleum-derived or synthetic</li> <li>- Crankcase, engine and gear oils, and hydraulic, transmission and heat transfer fluids; and</li> <li>- Fluids used for lubricating purposes in machinery or equipment.</li> </ul>	Containers that contained; Synthetic crankcase or engine oil; Hydraulic fluid; Polyoester fluids; Circulating oil or turbine oil; Paper machine oil; Transmission fluid; Power steering fluid; Gear oil; Vegetable oil for lubrication; Re-refined oil.	Containers that contained: Ethylene glycol heat transfer fluid; Propylene glycol heat transfer fluid; Silicone heat transfer fluid; Synthetic aromatic hydrocarbon heat transfer fluid; Glycol-based heat transfer fluid; Water glycol hydraulic fluid; Phosphate ester hydraulic fluid; Hydraulic oil dye.
<b>Antifreeze and containers in which they were contained</b>		
Means antifreeze used or intended for use as a vehicle engine coolant.	Ethylene or propylene glycol.	Products sold in containers with a volume greater than 30 litres.
<b>Oil Filters</b>		
Means filters produced and/or arriving into the province, and which are for sale, directly or as part of a product, in Ontario.	Spin-on or element style filter that is used in hydraulic, transmission or internal combustion engine applications including diesel fuel filters; Household furnace fuel filter; Storage tank diesel fuel filter; Sump type automatic transmission filter; Plastic/paper element style filter; Diesel fuel filter used at retail & commercial pump islands; Coolant filter.	Gasoline fuel filter; Air filter; Household furnace air filter; Sock-type filter.
<b>Fluorescent light bulbs or tubes</b>		
Fluorescent light bulbs and tubes means a fluorescent lamp that is a low pressure mercury electric-discharge source in which a fluorescing coating transforms ultraviolet energy generated by the mercury discharge into visible light. Fluorescent light bulbs and tubes designed to be replaced by the user.	Fluorescent tubes and compact fluorescent bulbs.	Other non-fluorescent light bulbs such as incandescent, gas discharge, halogen or LED.

<b>Municipal Special Waste</b>		
<b>Group &amp; Inclusions</b>	<b>Examples</b>	<b>Exclusions</b>

<b>Pharmaceuticals</b>		
<p>Pharmaceutical Drugs<sup>1</sup> which are defined as any substance or mixture of substances manufactured, sold or represented for use in:</p> <p>(a) the diagnosis, treatment, mitigation or prevention of a disease, disorder or abnormal physical state, or its symptoms, in human beings, or animals</p> <p>(b) restoring, correcting or modifying organic functions in human beings and animals</p> <p>2. Natural Health Products<sup>2</sup> which are defined as a substance or a combination of substances, a homeopathic medicine or a traditional medicine, that is manufactured, sold or represented for use in:</p> <p>(a) the diagnosis, treatment, mitigation or prevention of a disease, disorder or abnormal physical state or its symptoms in humans; (b) restoring or correcting organic functions in humans; or, (c) modifying organic functions in humans, such as modifying those functions in a manner that maintains or promotes health.</p>	<p>Includes; creams, lotions, pill, and liquids.</p> <p>Prescription and non-prescription drugs in dosage form.</p> <p>Prescription medication for companion animals.</p> <p>Licensed Natural Health Products (NHP) in dosage form including: vitamins and minerals; herbal remedies; homeopathic medicines; and traditional medicines.</p>	<p>Not intended to include food products unless regulated by Health Canada..</p>
<b>Sharps, including syringes</b>		
<p>Waste sharps are materials consisting of needles, syringes and lancets in the administration of healthcare for humans and companion animals (i.e.pets).</p>	<p>Human and veterinary sharps from the residential sector.</p>	<p>Sharps from the commercial and institutional sector.</p>
<b>Switches that contain mercury</b>		
<p>Switches containing mercury means products or devices that open or close an electrical circuit or a liquid or gas valve.</p>	<p>Float switches, actuated by rising or falling liquid levels; tilt switches, actuated by a change in the switch position; pressure switches, actuated by a change in pressure; and temperature switches and flame sensors actuated by a change in temperature</p>	
<b>Thermostats, thermometers, barometers or other measuring devices containing mercury</b>		
<p>Thermostats means a product that uses a mercury switch to sense and control room temperature through communication with heating, ventilation and air conditioning equipment</p> <p>Thermometer means an instrument for measuring temperature, having a graduated glass tube with a bulb containing mercury that expands and rises in the tube as the temperature increases.</p> <p>Barometer means an instrument containing mercury used for measuring atmospheric pressure.</p>	<p>Thermostats, thermometers, barometers.</p>	

<sup>1</sup> As defined under the *Food and Drug Regulations* (Health Canada)

<sup>2</sup> As defined the *Natural Health Products Regulation* (Health Canada)

## Solvents and containers in which they were contained

<p>Means liquid products that are intended to be used to dissolve or thin a compatible substance and,</p> <ol style="list-style-type: none"><li>1. are comprised of 10% or more of water-immiscible liquid hydrocarbons, including halogen-substituted liquid hydrocarbons; or,</li><li>2. are flammable as described in part (c) of "municipal hazardous waste" in Ontario Reg. 542</li></ol>	<p>Paint thinners, lacquer thinners, automotive body resin solvents, contact cement thinners, paint strippers and degreasers sold into the retail market; Contain (but not limited to) materials as turpentine, alcohols (methanol, isopropanol, ethanol), ketones (acetone, methyl ethyl ketone), xylene, toluene, mineral spirits, linseed oil, naphtha, methylene chloride, ,ABS solvent, liquid sandpaper solvent, brush cleaner, cleaner for PVC.</p>	<p>Beverages; Products sold in containers with a volume greater than 30 litres.</p>
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