

## Municipal Hazardous or Special Materials Phase 1 Designated Material Definitions

The following table presents MHSM definitions as posted on Stewardship Ontario's website. The table may be updated from time to time. Please note that (\*) represent products that have been added to list of inclusions and exclusions based on questions received from stewards.

Recent updates to this table are highlighted as follows:

- July 2008 updates are highlighted in blue.
- August 2008 updates are highlighted in yellow.
- October 2008 updates are highlighted in green.

### Municipal Hazardous or Special Materials Definitions

MHSM Definitions	Inclusions	Exclusions
<p><b>Paints and Coatings</b> – Means latex, oil and solvent-based architectural coatings, including paints and stains, whether tinted or untinted.</p>	<p>All architectural paints and coatings for household and industrial use</p> <ul style="list-style-type: none"> <li>• Architectural coatings-mean organic coatings intended for onsite applications at ambient temperatures to interior or exterior surfaces of residential, commercial, institutional, industrial, or government structures include; exterior and interior house paints, stains, undercoaters primers and sealers</li> <li>• Non-bitumen based driveway sealer, roof coatings and sealers</li> <li>• Textured spray paint</li> <li>• Concrete and floor sealers, sanding and grout sealers</li> </ul>	<ul style="list-style-type: none"> <li>• Paints containing pesticides that would be included in the pesticide category</li> <li>• Products sold in containers with a volume greater than 30 litres</li> <li>• Bitumen based driveway and roof coatings and sealers</li> <li>• Automotive product paint</li> <li>• Liquid sandpaper and wallpaper sizing</li> <li>• Stucco and spackling compounds</li> <li>• Products used for patching</li> <li>• High heat BBQ or appliance paint or high heat aerosol paint</li> <li>• Waxes and polishes</li> </ul>
<p><b>Solvents</b> – 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</li> </ol>	<p>Based on this definition, products sold as solvents contain (but not limited to) materials as turpentine, alcohols (methanol, isopropanol, ethanol), ketones (acetone, methyl ethyl ketone), xylene, toluene, mineral spirits, linseed oil, naphtha and methylene chloride. Such products are marketed as paint thinners,</p>	<ul style="list-style-type: none"> <li>• Products sold as fuels</li> <li>• Products sold in containers with a volume greater than 30 litres</li> <li>• Cleaning products that are not sold as solvents</li> <li>• Products used inside a vehicle part * ie. Aerosol or liquid lubricants/penetrants<sup>1</sup></li> <li>• Removers such as creosote remover, wax remover, nail</li> </ul>

<sup>1</sup> Refers to products that have been added to the list of Inclusions and Exclusions as of June 26, 2008. This will continue to be updated by Stewardship Ontario from time to time.

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<p>hazardous waste” in Ontario Reg. 542.</p> <p><b>Water-miscibility</b> – Means the ability of a material (or mixture) to mix uniformly with water, without separating. A 1:5 ratio of material to water, at 20°C does not display visible separation in less than 1 hour. This includes mixing by dissolving, reacting, suspending, or dispersing. [ref. CSA Z752]</p>	<p>lacquer thinners, automotive body resin solvents, contact cement thinners, paint strippers and degreasers sold into the retail market</p> <ul style="list-style-type: none"> <li>• Degreasers</li> <li>• Aerosol products that meet the solvent definition</li> <li>• Methyl Hydrate and ABS solvent</li> <li>• Products with a toxic symbol that meet the definition of solvent such as liquid sandpaper solvent, brush cleaner, cleaner for PVC</li> <li>• Furniture strippers</li> <li>• Used on the outside a vehicle part that meets the definition of solvent</li> <li>• Products that contain both consumer and workplace labelling (WHIMS) sold to consumers or IC&amp;I that meet the definition of solvent</li> </ul>	<p>polish remover, aerosol stop leak product or rust control product</p>
<p><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.</p>	<p><b>Applicable Filter List</b></p> <ul style="list-style-type: none"> <li>• Spin-on or element style filter that is used in hydraulic, transmission or internal combustion engine applications including diesel fuel filters</li> <li>• Household furnace fuel filter</li> <li>• Coolant filter</li> <li>• Storage tank diesel fuel filter</li> <li>• Sump type automatic transmission filter</li> <li>• Plastic/paper element style filter</li> </ul> <p>Diesel fuel filter used at retail &amp; commercial pump islands</p>	<ul style="list-style-type: none"> <li>• Gasoline fuel filter</li> <li>• Air filter</li> <li>• Household furnace air filter</li> <li>• Sock-type filter</li> </ul>
<p><b>Oil Containers</b> – Means, oil containers with a volume of 30 litres or less, which are used for the containment of lubricating oil products including:</p> <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>	<p><b>Applicable Oil Container List</b></p> <ul style="list-style-type: none"> <li>• Synthetic crankcase or engine oil</li> <li>• Hydraulic fluid</li> <li>• Polyolester fluids</li> <li>• Circulating oil or turbine oil</li> <li>• Paper machine oil</li> <li>• Transmission fluid</li> <li>• Power steering fluid</li> <li>• Gear oil</li> <li>• Vegetable oil for lubrication</li> <li>• Re-refined oil</li> <li>• Electrical insulating oil</li> <li>• Refrigeration system oil</li> <li>• Compressor oil</li> <li>• Mineral heat transfer fluid</li> <li>• Marine engine oil for vessels operating domestically</li> </ul>	<p><b>Excluded Oil Container List</b></p> <ul style="list-style-type: none"> <li>• Ethylene glycol heat transfer fluid</li> <li>• Propylene glycol heat transfer fluid</li> <li>• Silicone heat transfer fluid</li> <li>• Synthetic aromatic hydrocarbon heat transfer fluid</li> <li>• Glycol-based heat transfer fluid</li> <li>• Water glycol hydraulic fluid</li> <li>• Phosphate ester hydraulic fluid</li> <li>• Hydraulic oil dye</li> <li>• Polyglycol synthetic compressor oil</li> <li>• Base oil, including re-refined base oil</li> <li>• Grease</li> <li>• Oil additive</li> </ul>

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	<ul style="list-style-type: none"> <li>• Metal working oil</li> <li>• Form release oil</li> <li>• Textile oil</li> <li>• Chain oil</li> <li>• Rock drill oil</li> <li>• 2-cycle engine oil</li> <li>• Gasoline / 2-cycle engine oil mixes</li> <li>• Saw guide oil</li> <li>• Drawing, stamping and shaping oil</li> <li>• Process oil</li> <li>• Dedusting oil</li> <li>• Marine cylinder oil</li> <li>• Machine tool and slideway lubricant</li> <li>• Natural gas compressor oil</li> <li>• Conveyor lube</li> <li>• Dripless lube</li> <li>• Quenching oil</li> <li>• Pneumatic system oil</li> <li>• Rustproof oil</li> <li>• Food grade white mineral oil</li> </ul>	<ul style="list-style-type: none"> <li>• Oil treatment</li> <li>• Diesel fuel treatment</li> <li>• Cleaning/flushing fluids for motors/equipment</li> <li>• Winter start fluid</li> <li>• Brake fluid</li> <li>• Undercoating</li> <li>• Penetrating oil</li> <li>• Hydraulic jack oil</li> <li>• 3-in-1 household oil</li> <li>• Aerosol propelled lubricant</li> <li>• Gun oil</li> <li>• Kerosene</li> <li>• Urethane coating</li> <li>• Sewing machine oil</li> <li>• Export oil sales</li> <li>• Cooking oil</li> <li>• Windshield washer fluid</li> <li>• Emulsified oil</li> </ul>
<p><b>Single Use Dry Cell Batteries</b> – Means batteries that are one or more cells, including case, terminals and markings. The source of electrical energy is obtained by the direct conversion of chemical energy that is not designed to be charged by any other electrical source.</p>	<p>Easily removable batteries according to the following chemistry:</p> <ul style="list-style-type: none"> <li>• Alkaline-Manganese</li> <li>• Zinc-Carbon</li> <li>• Lithium batteries</li> <li>• Button Cells (a variety of chemistries such as those used in hearing aids, watches)</li> </ul> <p>Includes batteries provided within other products such as toys, electronics.</p>	<ul style="list-style-type: none"> <li>• Secondary batteries that are designed to be recharged</li> </ul>
<p><b>Antifreeze</b> – Means ethylene or propylene glycol used or intended for use as a vehicle engine coolant.</p>	<p>Includes premixed (water diluted) and concentrated product</p>	<ul style="list-style-type: none"> <li>• Factory Fill initial charge of vehicle antifreeze</li> <li>• Plumbing antifreeze</li> <li>• Vehicle windshield antifreeze</li> <li>• Product marketed as industrial heat transfer fluid</li> <li>• Fuel (gasoline &amp; diesel) antifreeze</li> <li>• Lock De-Icer &amp; Antifreeze</li> <li>• Air Brake antifreeze</li> <li>• Antifreeze which does not contain ethylene or propylene glycol</li> <li>• products sold in containers with a volume greater than 30 litres</li> </ul>

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<p><b>Pressurized containers –</b> Means:</p> <ul style="list-style-type: none"> <li>o 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>o 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>o Non-refillable Containers: TC-39M</li> <li>o Composite Cylinders: TC-3FCM and TC-3HWM.</li> <li>o Insulated Cylinders: TC-4LM</li> <li>o Cylinders for Acetylene Service: TC-8WM, TC-8WAM</li> </ul>	<p>This includes:</p> <p>Refillable and non-refillable containers for domestic applications (for example, breathing air supply cylinders, single use non-refillable cylinders, portable refillable propane cylinders)</p>	<ul style="list-style-type: none"> <li>• Aerosols</li> <li>• Butane Lighters</li> <li>• Reservoir tanks intended for use with an air compressor</li> <li>• Cylinders that must be punctured for use (e.g. small CO<sub>2</sub>.)</li> <li>• Cylinders over 100 kilogram</li> <li>• All industrial gas cylinders</li> <li>• All medical gas cylinders</li> <li>• All laboratory gas cylinders</li> <li>• All Beverage gas cylinders</li> <li>• All Specialty gas cylinders</li> </ul>
<p><b>Fertilizers</b> - Means packaged products regulated under the Fertilizers Act (Canada)</p>	<p>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.</p> <ul style="list-style-type: none"> <li>• Includes products that have a registration number and are used by homeowners, commercial applicators, or agricultural operations*</li> <li>• Herbicide and fertilizer combination products (weed and feed)</li> <li>• Crabgrass control and fertilizer combination products, other fertilizer and pesticide combination products</li> <li>• Micronutrient mixes if contain micronutrients only such as chelated iron, or chelated copper</li> <li>• Fertilizers that are growth regulants such as rooting hormones</li> </ul>	<ul style="list-style-type: none"> <li>• Compost (that do not make N-P-K claim)</li> <li>• Fertilizers and supplements exempted from registration including: <ul style="list-style-type: none"> <li>a) fertilizers and supplements set out in Schedule II (Fertilizer Regulations)</li> <li>b) farm fertilizers that do not contain pesticides and that satisfy section 10 of the Fertilizer Regulations;</li> <li>c) supplements sold only for correction of soil acidity or alkalinity;</li> <li>d) supplements referred to in subsections 10.2(3) and (5) (Fertilizer Regulations) – (i.e., seeds coated with inoculant);</li> <li>e) 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;</li> <li>f) customer-formula fertilizers;</li> <li>g) specialty fertilizers, other than those referred to in paragraph (b) of the definition "specialty fertilizers", that do not contain pesticides; and</li> <li>h) potting soils that contain supplements, if those supplements are registered under the Act.</li> </ul> </li> </ul>

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<p><b>Pesticides</b> – Means pesticides including fungicides, herbicides and insecticides registered under the Pest Control Products Act (Canada) that are required to display on the label the symbol shown in Schedule III of the Pest Control Products Regulation (Canada) the signal words “danger” or “warning”, and “poison” and represented by the skull &amp; crossbones inside the precautionary symbols diamond or octagon.</p>	<p>All Federal Classification of Domestic pesticides that meet the definition. These pesticides will have the word “domestic” on the label”.</p> <p>The definition ensures that pesticides that contain at least 10% petroleum distillates (and therefore pose an aspiration hazard) are included.</p> <ul style="list-style-type: none"> <li>• Aerosol containers that meet the definition are included</li> </ul>	<ul style="list-style-type: none"> <li>• Insect repellents for personal use</li> <li>• Sanitizers and disinfectants</li> <li>• Pet products</li> <li>• Products regulated under the Food and Drugs Act (Canada)</li> <li>• Pool chemicals</li> <li>• Insecticidal soaps</li> <li>• Diatomaceous earth</li> <li>• Ant traps</li> <li>• Federal Classifications of Commercial, Agricultural and Restricted pesticides. Pesticides without the word “domestic” on the label.</li> </ul>