Alberta recycling MANAGEMENT AUTHORITY

HSP MATERIAL TYPE GUIDE

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HSP Material Guide Update Log

Version Date	Summary of Updates
February 24, 2024	Original guide release

August 5, 2026	Updates under the Flammable and Toxic Product and Product Container categories:
	• Clarified that the following products displaying the flammable hazard symbol in the *Consumer Chemicals and Containers Regulations (SOR/2001-269)* are not considered designated materials:
	  ○ Windshield washer fluid
	• Clarified that the following products displaying the toxic hazard symbol in the *Consumer Chemicals and Containers Regulations (SOR/2001-269)*:
	  ○ Antifreeze/coolant
	  ○ Diesel Exhaust Fluid

This document provides compliance guidance to producers on hazardous and special products (HSP) that they are required to report by material type under Part 2 of the *Extended Producer Responsibility Regulation*, AR 194/2022 (EPR Regulation). As established in the EPR Regulation, materials subject to the Designated Material Recycling and Management Regulation, AR 93/2004 and Part 1 of the EPR Regulation are excluded from HSP.

The following table provides definitions and examples of included HSP by material type.

In identifying which material type a producer's product might fit in, producers should classify their product based on the following hierarchy:

1. Single-use batteries
2. Rechargeable batteries
3. Pesticides
4. Pressurized container that contains flammable, corrosive or toxic gas
5. Order of preference as established in the Transportation of Dangerous Goods Regulations (TDGR)
    1. Flammable
    2. Corrosive
    3. Toxic

Definitions and examples of HSP that must be reported by producers who supply to Alberta consumers

	Definition	Examples of HSP Included	Excluded
Single-use batteries	Single use battery means a product that is a container consisting of one or more voltaic or galvanic cells, in which chemical energy is stored as electricity or converted into electricity and used as a source of power that can only be used once.	• Button cells • AA • AAA • C • D • 9V • Lantern batteries	• Batteries weighing 5 kg or more. • Embedded batteries that are already reported as part of Alberta's Electronics Recycling Program.

	Definition	Examples of HSP Included	Excluded
Rechargeable batteries	Rechargeable battery means a product that is a container consisting of one or more voltaic or galvanic cells, in which chemical energy is stored as electricity or converted into electricity and used as a source of power and that can be recharged to be used more than once.	• Button cells • AA • AAA • C • D • 9V • Lantern batteries Replacement batteries for products (for example, drill, cell phone, laptop) that weigh under 5 kg	• Lead acid batteries[1] • Batteries weighing 5 kg or more • Embedded batteries that are already reported as part of Alberta's Electronics Recycling Program.
Corrosive solid or liquid products	Corrosive solid or liquid products means products displaying the corrosive hazard symbol described in the *Consumer Chemicals and Containers Regulations (SOR/2001-269)*, including solid products supplied in containers less than or equal to 10 kg in weight, or (i) liquid products supplied in containers less than or equal to 10 L in volume.	• Grout cleaner • Masonry cleaner • Oven cleaner • Silver polish • Rust remover	• Solid products displaying the corrosive hazard symbol supplied in containers more than 10 kg in weight • Liquid products displaying the corrosive hazard symbol supplied in containers more than 10 L in volume • Products intended for use down-the-drain during their primary intended use (e.g., corrosive bathroom cleaning products, bleach, drain cleaner) • Masonry products (e.g., cement, grout, mortar)

[1] Lead acid battery means a battery characterized as UN2794 or UN2800 as defined in the *Transportation of Dangerous Goods Regulations* (SOR/2001-286)

	Definition	Examples of HSP Included	Excluded
Corrosive solid or liquid product containers	Corrosive product container means a container used to supply a corrosive product that is: (i) 10 L or less for liquids, or (ii) 10 kg or less for solids.	• Containers in direct contact with a solid or liquid corrosive product that are 10 L or less in volume for liquids, or 10 kg or less for solids	• Packaging that is not in direct contact with the corrosive product (e.g., a box that holds a container) • Container that contains a solid product that is more than 10 kg in weight • Container that contains a liquid product that is more than 10 L in volume
Flammable liquid or solids products	Flammable solid and liquid products means: (i) solid products displaying the flammable hazard symbol described in the *Consumer Chemicals and Containers Regulations (SOR/2001-269)*, supplied in containers less than or equal to 10 kg in weight, or (ii) liquid products displaying the flammable hazard symbol described in the *Consumer Chemicals and Containers Regulations (SOR/2001-269)*, supplied in containers less than or equal to 10 L in volume.	• Gasoline, including stale or contaminated with oil or water • BBQ lighter fluid • Camping fuel (e.g., Naptha) • Contact cement thinners • Fondue fuel • Flammable degreasers • Flammable lubricants not captured under Alberta's Used Oil Program • Flammable fuel treatment and additives • Flammable liquid adhesives • Isopropanol • Kerosene • Methanol • Methylene chloride • Methyl hydrate • Flammable cleaners	• Solid products supplied in containers that hold more than 10 kg in weight • Liquid products supplied in containers more than 10 L in volume • Products intended for use down-the-drain during their primary intended use • Products containing less than 50% of water miscible flammable liquid, as defined by the National Fire Code of Canada, as published by the National Research Council of Canada and as amended from time to time, by volume with the remainder of the product not being flammable • Products captured under Alberta's Paint Program (e.g., linseed oil, toluene, turpentine, varsol, solvents, xylene)

	Definition	Examples of HSP Included	Excluded
		• Flammable solvents not captured under Alberta's Paint Program	• Products captured under Alberta's Used Oil Program
Flammable liquid or solid product containers	Flammable liquid or solid product container means a container used to supply a flammable product that is: (i) 10 L or less for flammable liquid products except gasoline, (ii) 25 L or less in volume for gasoline, or 10 kg or less for solids.		• Packaging that is not in direct contact with the flammable product (e.g., a box that holds a container) • Container that contains a solid flammable product that is over 10 kg in weight • Container that contains a liquid flammable product that is over 10 L in volume, except gasoline • Container that that contains gasoline that is over 25 L in volume
Corrosive, flammable or toxic gases	A corrosive, flammable or corrosive gas means a: (i) gaseous products displaying the corrosive hazard symbol described in the *Consumer Chemicals and Containers Regulations* (SOR/2001-269) and supplied in a pressurized cylinder less than or equal to 680 g in volume, (ii) gaseous products displaying the flammable hazard symbol and the explosive hazard symbol described in the *Consumer Chemicals and Containers Regulations* (SOR/2001-269),	• Non-refillable butane cylinders • Non-refillable camping cylinders (isobutane) • Refillable and non-refillable propane cylinders • Non-refillable MAPP gas cylinders • Non-refillable refrigerant (e.g., Freon) cylinders	• Supplied in a pressurized container greater than 680 g in volume • Butane lighters • Containers that must be punctured for use, such as a 16g CO_2 cylinder • Containers that use gas only as a propellant for a product that is not corrosive, flammable or toxic (e.g., hair spray)

	Definition	Examples of HSP Included	Excluded
	supplied in pressurized containers less than or equal to 680 g in volume, (iii) gaseous products displaying the toxic hazard symbol described in the *Consumer Chemicals and Containers Regulations* (SOR/2001-269) and supplied in pressurized containers less than or equal to 680 g in volume		
Corrosive, flammable or toxic pressurized containers	Corrosive, flammable or toxic gaseous product container means a pressurized containers less than or equal to 680 g in volume.		• Packaging that is not in direct contact with the corrosive, flammable or toxic product (e.g., a box that holds a container) • Pressurized containers that are greater than 680 g in volume • Pressurized containers that must be punctured for use, such as a 16g CO_2 cylinder
Pesticides	Pesticide means a pesticide, fungicide, herbicide or insecticide registered under the *Pest Control Products Act* (Canada), designated as "DOMESTIC" class under the *Pest Control Products Regulations* (SOR/2006-124) and is required to bear the signal word "DANGER" or "WARNING" together with the related precautionary symbols set out in Schedule 3 of that Regulation, but does not include: (i) insect repellents intended for personal use, or	• Aerosol pesticides • Liquid pesticides • Solid pesticides	• Solid pesticides supplied in containers more than 10 kg in weight • Liquid pesticides supplied in containers more than 10 L in volume • Aerosol pesticides supplied in pressurized containers more than 680 g in volume • Domestic ant traps • Antimicrobial products • Commercial, agricultural, and restricted

	Definition	Examples of HSP Included	Excluded
	(ii) sanitizers, disinfectants and antimicrobial products.		classifications registered under the Pest Control Products Act (Canada) • Diatomaceous earth • Disinfectants • Insect repellents intended for personal use • Insecticidal soaps • Sanitizers
Pesticide containers	"pesticide container" means a container used to supply a pesticide that is: (i) 10 L or less for liquids, (ii) 10 kg or less for solids, or (iii) 680 g or less for pressurized containers		• Packaging that is not in direct contact with the pesticide (e.g., a box that holds a container) • Container that contains a solid product that is over 10 kg in weight • Container that contains a liquid product that is over 10 L in volume • Pressurized container that contains a gaseous product that is over 680 g
Toxic solid or liquid products	Toxic solid or liquid product means a product displaying the toxic hazard symbol described in the *Consumer Chemicals and Containers Regulations (SOR/2001-269)*, including: (i) a solid product supplied in containers less than or equal to 10 kg in weight, (ii) a liquid product supplied in containers less than or equal to 10 L in volume,	• Automotive additives • Tar and bug remover • Brake fluid	• Container that contains a solid product that is over 10 kg in weight • Container that contains a liquid product that is over 10 L in volume • Products intended for use down-the-drain during their primary intended use

	Definition	Examples of HSP Included	Excluded
	but does not include a product intended for use down-the-drain during its primary intended use.		• Products captured under Alberta's Used Oil Program.
Toxic product containers	"toxic product container" means a container used to supply a toxic product that is: (i) 10 L or less for liquids, or (ii) 10 kg or less for solids. • Containers in direct contact with a toxic product that are 10 L or less in volume for liquids, or 10 kg or less for solids		• Packaging that is not in direct contact with the toxic product (e.g., a box that holds a container) • Container that contains solid products that is over 10 kg in weight • Container that contains liquid products that is over 10 L in volume