Household Hazardous

ARWMAS Regional Roundup
October 30, 2020

productcare RECYCLING

Overview

1. Background
2. Program Products
3. Implementation
4. Depot Requirements

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Background

HHW Program Plan

- June 2019 – The Household Hazardous Waste Products Stewardship Regulations enacted

- December 2019 – Program Plan submitted

- June 2020 – Program Plan approved

Product Care

- federally-incorporated, not-for-profit operating in nine Provinces

- product stewardship programs for paint, household hazardous lighting products, smoke and CO alarms

- HHW Stewardship Programs in British Columbia, Manitoba and Ontario

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Program Products

Program Products

Regulated products included in Product Care Program:

- Toxic materials
- Physically hazardous materials
- Environmentally hazardous materials
- Pesticides

Regulated products not included in Product Care Program:

- Batteries will be managed by Call2Recycle

Program Products Toxics

The product label must show the poison symbol (skull and crossbones) and the word 'danger'.

Examples:

- Automotive additives
- Furniture stripper
- Lubricants
- Tar and bug remover

The maximum container size is 10 litres.

The maximum aerosol container size is 680g / 24oz.

Management

- fuel blending and energy recovery or
- incinerated at high temperature in a

Program Products
Corrosives

Liquid, solid and aerosol corrosives. The container label must display the corrosive symbol.

Examples:

- Grout cleaner

- Masonry cleaner

- Pool and hot tub cleaners

- Rust remover

The maximum container size is 10 litres.

The maximum aerosol container size is 680g / 24oz.

Management

- neutralized, and the resulting water managed appropriatelydependent on its residual properties and technologies available

Program Products Flammable liquids

Liquid and aerosol flammables. The container label must display the flammable symbol.

Examples:

- Gasoline

- Acetone

- BBQ lighter fluid

- Camping fuel

- Fondue fuel

- Flammable degreasers

- Flammable fuel treatment and additives

- Flammable liquid adhesives

- Flammable lubricants

- Kerosene

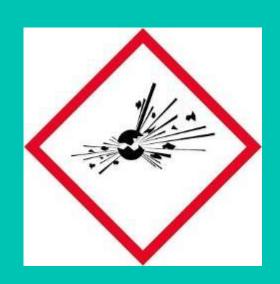# Program Products Flammable Liquids cont.

Examples:

- Methanol
- Methyl hydrate
- Mineral spirits
- Paint stripper
- Paint thinners
- Paint and varnish remover
- Turpentine
- Varsol
- Other flammable solvents

The maximum container size is 10 litres.

The maximum aerosol container size is 680g / 24oz.

Management

Program Products Physically Hazardous Products

The container label must display both the flammable and explosive symbols.

Examples:

- Non-refillable butane cylinders
- Non-refillable camping cylinders
- Non-refillable propane cylinders

Maximum container size is 5kg.

Containers must not be refillable.

Management

- Fuel from fuel cylinders is either sent for energy recovery or is recaptured and used as fuel
- Metal cylinders punctured and sent to metal

Program Products Pesticides

Domestic

CAUTION	Slightly toxic either orally, dermally, or through inhalation; causes slight eye or skin irritation.
WARNING	Moderately toxic either orally, dermally, or through inhalation; causes moderate eye or skin irritation.
DANGER	Can cause severe eye damage or skin irritation.
DANGER-POISON	Highly toxic by any route of entry into the body.

Liquid, solid and aerosol pesticides. The container must be labelled "Domestic" and the label must display the words required to be labelled "Domestic"; and the word "Poison" combined with the signal words "Danger", "Warning" or "Caution" represented by the skull and crossbones.

Examples:

- Insect repellents, disinfectants and pet products

- Herbicides

- Rodenticides

- Bactericides

- Fungicides

Maximum container size is 10 litres.

Maximum aerosol container size is 680g / 24oz.

Management

Non-Program Products

- Unidentifiable, unknown, unlabelled, and non-original containers

- Leaking or improperly sealed products

- Ammunition

- Batteries

- Caulking compound

- Cleaners (e.g. drain opener, bleach)

- Commercial, industrial or agricultural products

- Cosmetics and health or beauty aids

- Diesel

- Drugs, medicines, and medical sharps

- Fertilizer

- Mercury switches

- Oil/antifreeze

Non-Program Products cont.

- Powder forms (solid) of masonry products, cement, grout, mortar, plaster of Paris

- Refillable propane cylinders

- Swimming pool chemicals (e.g. pucks, pH adjustors)

- Wine and distilled spirits

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Implementation

Timeline

- 2020: internal processes, stewards, municipal partnerships, service providers

- 2021 : collection events, partnering with municipalities

- Beyond 2021: continue to partner for events, begin establishing a network of permanent depots

2021 Municipal Events

- Product Care will partner with municipality/regional waste authority/planning district etc

- Municipality:

  - selects a **licensed** service provider

  - Picks date(s) for event

  - Provides a site (approved by the service provider) for the event

  - Decides whether to only accept regulated program products or all HHW

  - Decides who can participate (residents only, open)

2021 Municipal Events

- Product Care:

  - Works with the community on promotion

  - Pays for the collection/transportation/processing of Program Products

  - Pays a portion of the fixed costs

2022 and Beyond Municipal Events and Permanent Depots

- Continue partnering with municipality/regional waste authority/planning district etc on events

- Develop a network of permanent depot sites, prioritizing large population bases and then adding other sites

Fees and Start Date

- Fees and start date must be approved by PCA Board of Directors – meeting in early November

- Must give Stewards 90 days notice and avoid blackout periods

- Compensation for Depot operators not yet determined

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Depot Requirements

Household
Hazardous
Waste

DANGER

Depot Requirements Building

- Walls and Roof
  - any material, provided it has a minimum as required by building and fire codes.

- Area for storage containers
  - Covered, weather protection
  - meet applicable regulations.

- Floor Space
  - minimum of 320 sq ft for a HHW storage
  - space for four (4) collection tubskids and fifteen (15) drums plus aisle and six (6) pallets (4'x4' blocks)
  - May need to be larger based on projected collection volumes
  - flooring material must be an impermeable surface (concrete or wood in the case of a sea container)

Depot Requirements Building cont.

- Access to Storage Area
  - minimum of 5 feet wide
  - Accessible at ground level or or have access to a truck loading dock
  - Not accessible to public
  - Lockable or other security
  - Access road – size, construction and surface suitable for large trucks

- Lighting and Heating
  - Servicing not required
  - Lighting may be natural or portable
  - Must meet regulatory requirements, including elecrical and fire code
  - any material, provided it has a minimum as required by building and fire codes.

- Ventilation
  - Can be passive or forced
  - Passive – vents, doors

Depot Requirements Equipment

- Handling
  - minimum – pallet jack and drum dolly
  - Forklift
  - If using a loading dock, must accommodate a large truck

- Safety
  - Eye wash station
  - Fire Extinguisher
  - Spill kit
  - Other – to comply with all regulation

Depot Requirements

- Receiving Area
  - Fully staffed and supervised
  - Only staff may place product into storage containers
  - If using a loading dock, must accommodate a large truck

- Other
  - Meet PCA insurance requirements and provide PCA with copy of insurance
  - Obtain all required permits and licenses

Thank You

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