



## Safety Data Sheet

Material Name: Polyethylene Film – 6.00, 10.00 and 15.00 MIL Grades

### Section 1 – Product and Company Identification

Name: Polyethylene Vapour Barrier

Chemical Formula: Not Applicable

Mercury Plastics of Canada Inc.  
14743-134 Avenue  
Edmonton Albert T5L 4S9

Phone Number  
(780) 452-5681

### Section 2 – Hazards Identification

NFPA Ratings: Health: 0 Fire: 1 Reactivity: 0

Hazards Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe

#### Emergency Overview

*Caution!* Product is clear to translucent, non-toxic having minimal odour. Heat released emissions may be irritating to eyes, skin and respiratory system. If exposed to fire, product will burn and emit irritating smoke. Contact with molten material may cause serious thermal burns.

#### Potential Health Effects: Eyes

Contact with eyes is not likely to occur. If contact occurs, the eye may become irritated. Seek medical attention.

#### Potential Health Effects: Skin

Contact with molten or hot material may cause serious burns. Seek medical attention.

#### Potential Health Effects: Ingestion

Ingestion of material is not likely to occur. If ingestion occurs, gastrointestinal irritation may occur.

#### Potential Health Effects: Inhalation

Inhalation of material is not likely to occur.

### Section 3 – Composition/Information on Ingredients

CAS #	Component	Percent by WT
9002-88-4	Polyethylene	>96
68855-54-9 and/or 14807-96-6	Flux-calcined diatomaceous earth and/or talc	0-1
106990-43-6	N,N''-(1,2-ETHANEDIYLBIS(((4,6-BIS(BUTYL(1,2,2,6)	1-2

#### Additional Information

**This material is not a controlled product under Canadian WHMIS regulations.**

**This material is NOT REGULATED as dangerous goods for transportation.**



#### **Section 4 – First Aid Measures**

##### **First Aid: Eyes**

Contact with eyes is not likely to occur. If contact with eyes does occur, flush with water and seek medical attention.

##### **First Aid: Skin**

In case of contact with molten or hot material, cool rapidly with water and seek medical attention.

##### **First Aid: Inhalation**

Inhalation of material is not likely to occur.

##### **First Aid: Ingestion**

Ingestion of material is not likely to occur.

#### **Section 5 – Fire Fighting Measures**

##### **General Fire Hazards**

Product will burn when exposed to flame and emit irritating smoke.

##### **Explosion Hazards**

Material is not likely to explode.

##### **Hazardous Combustion Products**

Upon burning, polyethylene may emit various oligomers, waxes and oxygenated hydrocarbons as well as carbon dioxide, carbon monoxide and small amounts of other organic vapours. Inhalation of these decomposition products may be hazardous.

##### **Extinguishing Media**

Water fog or water spray. In the case of small localized fires, dry chemical, carbon dioxide or foam can be used.

#### **Section 6 – Accidental Release Measures**

##### **Spills – Transportation**

Transportation Spill – Rolls are likely to be hazardous to vehicles or people; Area should be cordoned off to prevent vehicular and/or pedestrian accidents/injuries. Remove rolls from all trafficked areas immediately.

#### **Section 7 – Handling and Storage**

##### **Handling Procedures**

No special handling procedures are required for this material.

##### **Storage Procedures**

Material should be stored away from sources of ignition, open flame and oxidizing materials.

#### **Section 8 – Exposure Controls**

No special exposure controls are required for this material.



### Section 9 – Physical and Chemical Properties

<b>Physical State and Appearance:</b>	Solid sheet, tube	<b>Colour</b>	Clear to Translucent
<b>Odour</b>	Minimal	<b>PH</b>	Not applicable
<b>Vapour Pressure</b>	Not applicable	<b>Vapour Density at 0° Celsius</b>	Not applicable
<b>Boiling Point</b>	Not applicable	<b>Melting point</b>	Range:105°C to 135°C (221°F to 275°F)
<b>Solubility</b>	Not applicable		
<b>Decomposition Temperature</b>	Varies >300°C (572°F)	<b>Softening Point</b>	Range:85°C to 127°C (185°F to 261°F)
<b>Auto Ignition</b>	Range: 330°C to 410°C (626°F to 770°F)	<b>Flash Point</b>	Not applicable
<b>Flash Point Method</b>	Not applicable	<b>Upper Flammable Limit (UFL)</b>	Not applicable
<b>Lower Flammable Limit (LFL)</b>	Not applicable	<b>Flammability Classification</b>	Not Flammable

### Section 10 – Stability and Reactivity Information

#### Chemical Stability

This material is stable under normal use conditions.

#### Chemical Stability: Conditions to Avoid

Avoid strong oxidizing agents.

#### Incompatibility

May react with strong oxidizing agents.

#### Hazardous Polymerization

Hazardous polymerization is not likely to occur.

#### Corrosivity

This material is not corrosive.

#### Hazardous Decomposition

Upon burning, polyethylene may emit various oligomers, waxes and oxygenated hydrocarbons as well as carbon dioxide, carbon monoxide and small amounts of other organic vapours. Inhalation of these decomposition products may be hazardous.

### Section 11 – Toxicological Information

#### A: Acute Toxicity

Material is considered inert and non-toxic. As all the components are contained in a polyethylene matrix, risk of exposure to any of the individual chemical components is unlikely to occur.

### Section 12 - Ecological Information

#### General

Polyethylene is essentially biologically inert and considered non-toxic to the aquatic environment. It is stable and does not decompose in landfills or in aquatic systems.

### Section 13 – Disposal Information

#### Canadian Waste Information

Date of Issue: January 2023



This product is not known to contain or generate hazardous wastes according to Canadian regulations. Disposal of this product should be in accordance with local, provincial/state and federal regulations.

#### **Section 14 – Transportation Information**

##### **Canadian TDG Information**

This material is not regulated as Dangerous Goods for Transportation.

##### **International Air Transport Association and International Civil Organization Information**

This material is not regulated as Dangerous Goods for Transportation.

##### **International Maritime Dangerous Goods Code**

This material is not regulated as Dangerous Goods for Transportation.

#### **Section 15 – Regulatory Information**

##### **Canadian Regulations – Federal and Provincial**

Canadian Environmental Protection Act (CEPA): All components contained in the raw materials used for the manufacture of this product are on the Domestic Substances List and are acceptable for use under the provisions of CEPA.

##### **Ingredient Disclosure List (IDL)**

The following components are identified under the Canadian Hazardous Products Act – Ingredient Disclosure List (IDL):

<b>Component</b>	<b>CAS #</b>	<b>Minimum Concentration</b>
Flux-calcined diatomaceous earth	68855-54-9	1% (related to Silica, amorphous, diatomaceous earth)

##### **WHMIS Classification**

**Polyethylene film products are not controlled under WHMIS**

#### **Section 16 – Other Information**

**No other information is available.**