

Polyethics Industries Inc.

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – MATERIAL IDENTIFICATION AND USE

<b>Material Name:</b>  POLYETHYLENE FILM & BAGS	<b>Chemical Family:</b>  ETHYLENE HOMOPOLYMER AND COPOLYMER; MAY CONTAIN COLOUR PIGMENT
<b>WHMIS Classification:</b>  THIS IS NOT A WHMIS CONTROLLED MATERIAL	<b>Manufacturer:</b>  Polyethics Industries Inc. P.O. Box 51 301 Forest Avenue North Orillia, Ontario, L3V 6H9

### SECTION II – HAZARDOUS COMPONENTS

**Hazardous Ingredients:**  
  
NONE

### SECTION III – PHYSICAL DATA

<b>Melting Point</b>  100 – 125 °C	<b>Solubility in Water</b>  Insoluble	<b>Odour</b>  None to mild hydrocarbon	<b>Form</b>  Film or Bag
<b>Colour</b>  Translucent or Pigmented	<b>Specific Gravity</b>  0.92 – 0.96 G./CC.		

### SECTION IV – HAZARDOUS REACTIVITY

<b>Instability:</b> Stable at normal temperatures and storage conditions	<b>Incompatibility:</b> None reasonably foreseeable	<b>Decomposition:</b> Decomposition temperature 250 – 300 °C
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The exact nature of the decomposition products will depend upon exposure conditions – temperature, access to oxygen, flaming and the presence of other materials. Complete combustion by-products are carbon dioxide and water.

### SECTION V – FIRE AND EXPLOSION HAZARDS

#### UNUSUAL FIRE AND EXPLOSION HAZARDS

None.

#### EXTINGUISHING MEDIA

Water, dry chemical, CO<sub>2</sub>

#### SPECIAL FIRE FIGHTING

Use self-contained breathing apparatus if exposed to fumes from a fire involving polyethylene film.

Autoignition temperature, 350 °C. Dense smoke emitted when burned without sufficient oxygen. Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying composition in addition to unidentified toxic and/or irritating compounds. Hazardous combustion by-products may include and are not limited to carbon monoxide and carbon dioxide.

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### SECTION VI – HEALTH HAZARD INFORMATION

Polyethylene film is not considered to be a hazardous material under normal use conditions

ROUTES OF ENTRY AND SYMPTOMS	ACUTE OR IMMEDIATE EFFECTS
Ingestion:	Non-toxic. Not a likely route of exposure.
Skin:	At room temperature non-toxic. Hot polymer will cause thermal burns.
Inhalation:	Film is not respirable. At processing temperatures above 325 °C fumes irritating to the eyes, nose and throat may be produced. This exposure may result in redness, tearing of the eyes and soreness in the nose and throat, together with coughing.
Medical Conditions Aggravated by Exposure:	None known.
Chronic Conditions Aggravated by Exposure:	None known.
Carcinogenicity:	None known.

### FIRST AID

Inhalation:	If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if required.
Skin Contact:	If hot polymer gets onto skin, cool rapidly with cold water, do not attempt to peel from skin. Seek medical treatment.
Ingestion:	No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, consult a physician if necessary.

### SECTION VII – PROTECTION INFORMATION

Generally applicable control measures and procedures. Provide local ventilation if processing is carried out at high temperatures.

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### SECTION VIII – DISPOSAL INFORMATION

Aquatic Toxicity:

No information. Toxicity is expected to be low based on the negligible solubility in water.

Note:

Review fire and explosion hazards and safety precautions before proceeding with clean up. Use appropriate personal protective equipment during clean up. No special procedures required. Pick up film to prevent a slipping hazard.

Waste Disposal:

Landfill or incineration in compliance with applicable Federal/State/Provincial and local regulations.

### SECTION VIII – SHIPPING INFORMATION

Dot proper shipping name:

POLYMERIC MATERIAL

Hazard Class:

NOT REGULATED

TDG Proper Shipping Name:

NOT REGULATED

### SECTION X - STORAGE CONDITIONS

Store in a cool, dry area; do not expose to heat, sparks or flame.

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL OR IN ANY PROCESS.

Date of last Revision:

April 2015

Responsibility for MSDS:

Steve Beers  
Production Manager