

MATERIAL SAFETY DATA SHEET

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POLYETHYLENE  
FILM

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CHEMICAL PRODUCT/COMPANY IDENTIFICATION

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Material Identification  
Odorless Clear Polyethylene Film

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COMPOSITION/INFORMATION ON INGREDIENTS

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This product is not hazardous as defined in 29 CFR 1910.1200

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HAZARDS IDENTIFICATION

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Potential Health Effects

INHALATION

Fumes from the hot material can be unpleasant and may produce nausea and irritation of the upper

respiratory tract.

#### SKIN CONTACT

The cool material is not expected to cause skin irritation. However, thermal burns may result from contact with the hot material. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

#### EYE CONTACT

The material is not expected to cause eye irritation. However, thermal burns may result from contact with the hot material. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment.

#### INGESTION

If swallowed, this substance is considered practically non-toxic to internal organs.

#### ADDITIONAL TOXICOLOGY INFORMATION

This product contains polyethylene. During thermal processing, polyethylene, like all plastics, can

degrade. The three variables which control its degradation are the temperature, the length of time at that temperature, and the amount of oxygen available. Depending on the local processing conditions, a variety of low, molecular weight hydrocarbons alcohols, aldehydes, acids, and ketones can be formed These materials are respiratory irritants.

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### ACCIDENTAL RELEASE MEASURES

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#### Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

#### Spill Clean Up

Recover undamaged and minimally contaminated material for reuse and reclamation.

#### Accidental Release Measures

This material is not expected to present any environmental problem. If liquid material is spilled, allow it to cool and solidify before proceeding with disposal methods.

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## HANDLING AND STORAGE

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### Handling (Personnel)

Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin, or clothing.

Normal precautions for handling hot, molten liquid or solutions.  
Wash thoroughly after handling.

### Handling (Physical Aspects)

Avoid dust generation. Use of non-sparking and explosion-proof equipment may be necessary depending on type of operation.

### Storage

Store in a well ventilated place. Keep container tightly closed.  
For manufacturing facilities only: Bulk storage of polyethylene pallets may result in the accumulation of ethylene gas with possible explosion potential.  
Concentrations of ethylene gas

must be kept below the lower limit (LEL) of 2.7%. Avoid breathing vapors of fumes which may be released during thermal processing.

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## EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Controls

Use ventilation that is adequate to keep employee exposure to airborne concentrations below recommended exposure limit.

### Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1 % are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

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### FIRST AID MEASURES

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## First Aid

### INHALATION

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

### SKIN CONTACT

The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

If molten product gets on skin, cool rapidly with cold water. Do not attempt to peel from skin.

Treat for thermal burn.

### INGESTION

No specific intervention is indicated as compound is not likely to be hazardous by ingestion.

Consult a physician if necessary.

### EYE CONTACT

If the hot melted material should splash into the eyes, flush eyes immediately with fresh water for

15 minutes while holding the eyelids open. Remove contact lenses if worn. See a doctor for

treatment.

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## FIRE FIGHTING MEASURES

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### Flammable Properties

Ignition Temperature FIT 350 deg C (662 deg F) Powder

Like most organic powders or crystals, under severe dusting conditions, this material may form

Explosive mixtures in air.

Hazardous gases/vapors produced in fire are CO, CO<sub>2</sub> and/or low molecular weight hydrocarbons.

### Extinguishing Media

Use media appropriate for surrounding material.

### Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained apparatus.

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### Personal Protective Equipment

## EYE/FACE PROTECTION

Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of molten material.

## RESPIRATOR

A NIOSH/MSHA approved air purifying respirator with a dust/mist cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

## PROTECTIVE CLOTHING

Wear impervious clothing, such as gloves, apron, boots, or whole bodysuit as appropriate.

Recommended glove material; No vendor recommendation on material of construction for protective clothing.



## PROTECTIVE CLOTHING

If there is potential for contact with hot/molten material, wear heat resistant impervious clothing and footwear.

Exposure Guidelines

Exposure Limits

POLYETHYLENE

PEL (OSHA) None Established

TLV (ACGIH) None Established