

MATERIAL

SAFETY

DATA

SHEET

POLYETHYLENE

FILM

CHEMICAL

PRODUCT/COMPANY

IDENTIFICATION

Material Identification Odorless Clear Polyethylene
Film

COMPOSITION/INFORMATION

ON

INGREDIENTS

This product is not hazardous as defined in 29 CFR
1910.1200

HAZARDS

IDENTIFICATION

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.

MATERIAL SAFETY DATA SHEET

ACCIDENTAL RELEASE MEASURES

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.

HANDLING

AND

STORAGE

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.

EXPOSURE

CONTROLS/PERSONAL

PROTECTION

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.

MATERIAL SAFETY DATA SHEET

FIRST

AID

MEASURES

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.

FIRE	FIGHTING	MEASURES
------	----------	----------

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, CO2 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.

MATERIAL SAFETY DATA SHEET

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.