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MSDS

POLYETHYLENE FILM AND POLYESTER FILM

COMPANY IDENTIFICATION

MANUFACTURER
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PRODUCT COMPOSITION
The product is plain polyethylene film and polyethylene teraphthalate film.

HAZARDS IDENTIFICATION

Emergency Overview
Appearance: Solid laminate
Odor: Odorless
No known health hazards at ambient temperature.

Potential Health Effects
High temperature operations using PE films and PET films can produce fumes or vapors of decomposition products of polyethylene teraphthalate and sophthalate polymer. The type and quantity of the fumes or vapors will vary based on temperature, time and other variables. These fumes or vapors may cause eye, nose, throat or respiratory irritation, or other effects such as headache. Molten product can cause thermal burns.

FIRST AID MEASURES

First Aid
INHALATION
No specific intervention is indicated, as the material is not likely to be hazardous by inhalation. However, if exposed to fumes from overheating or combustion, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician if necessary.

SKIN CONTACT
The product is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

EYE CONTACT
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

Ingestion is not an expected route of exposure during normal use of the product. If ingested, consult a physician immediately.

Notes to Physicians
Prolonged eye irritation may occur from pieces of debris sticking to the eyeball or eyelids.

FIRE FIGHTING MEASURES

Flammable Properties
Product may support combustion if ignited.
Hazardous gases/vapors produced in fire are carbon dioxide, carbon monoxide, organic acids, aldehydes, alcohols.

Extinguishing Media
Water, Foam, Dry Chemical, CO2.

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

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
Sweep up to avoid slipping hazard.

HANDLING AND STORAGE

Handling (Personnel)
Do not breathe vapors or fumes that may be evolved during processing.
Avoid skin contact with sharp product edges.

Handling (Physical Aspects)
Rolls of product may telescope. Use caution when handling. Rolled product should be stored at intended processing temperature for approximately 24 hours prior to use.

Storage
Store away from heat and sources of ignition. Do not store in direct sunlight. Avoid prolonged storage in high or low temperatures. Recommended storage temperatures are 20 F (-7 C) to 100F (38 C).

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
General exhaust is acceptable except where overheating can occur during processing. High temperature operations may require use of local exhaust ventilation to keep employee exposure below recommended limits.

Personal Protective Equipment

EYE/FACE PROTECTION
Wear safety glasses.

RESPIRATORY PROTECTION
Respirators are not needed for normal use. Where airborne concentrations are expected to exceed exposure limits, a NIOSH approved respirator should be selected based on the form and concentration of the contaminant in air and in accordance with OSHA Respiratory protection Standard CFR 1910.134.

PROTECTIVE CLOTHING
If there is potential for contact with hot/molten material, wear heat resistant impervious clothing and footwear. Special protective clothing is not needed for normal use. Gloves are recommended as good industrial practice.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data
Form: Plain polyester film
Color: Colorless to black color
Odor: Negligible
Solubility in Water: Insoluble

STABILITY AND REACTIVITY

Chemical Stability
Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials
Strong acids and bases may hydrolyze the product. Avoid contact with strong oxidizing agents.

Decomposition
Combustion can produces carbon oxides and hydrocarbon oxidation products, including organic acids, aldehydes, alcohols, ketones and acrolein.

Polymerization
Polymerization will not occur.

TOXICOLOGICAL INFORMATION

Toxic effects from short exposures by inhalation resulted in no adverse effects.
Toxic effects from short exposures by ingestion resulted in no adverse effects.

ECOLOGICAL INFORMATION

Ecotoxicological Information
AQUATIC TOXICITY:
No information is available. Toxicity is expected to be low based on insolubility in water.

DISPOSAL CONSIDERATIONS

Waste Disposal
Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

TRANSPORT INFORMATION

PET+PE are not considered as hazardous goods by transport regulations. They are not part of one of the hazardous classes listed in international regulations. They do not need special procedures under any regulations.
Transport at room temperature in the original containers.