

**Eastman's Llumar Anti-Graffiti
MATERIAL SAFETY DATA SHEET**

CPFilms, Inc.
P. O. Box 5068
Martinsville, VA 24115

Telephone Numbers
Emergency: 276-627-3000 or 800-255-8627
Product Information: 276-627-3000 or 800-255-8627

MATERIAL IDENTIFICATION

PRODUCT NAME Llumar® Flat Glass Products with Pressure Sensitive Adhesive System
CHEMICAL NAME Dyed and/or Metalized Polyethylene terephthalate coated with a polymerized terephthalate adhesive coating
TSCA INVENTORY All reportable ingredients are listed in the TSCA Chemical Substance Inventory.
DOT HAZARD CLASS Not regulated
SHIPPING NAME NA

PRODUCT COMPONENTS

| <u>MATERIAL</u> | <u>CAS #</u> | <u>PEL/TLV</u> | <u>PERCENT</u> |
|--|--------------|---|----------------|
| Polyethylene terephthalate (Polyester Film) | N/A | Particulate 10 mg/m ³ (as dust) | 89% |
| Polymerized polyacrylate (resin) | N/A | Particulate 10 mg/m ³ (as dust) | 9% |
| Disperse Dyes | N/A | Particulate 10 mg/m ³ | 2% |

SUBSTANCES PRESENT AT A CONCENTRATION OF 0.1% OR MORE CLASSIFIED AS A CARCINOGEN BY IARC, NTP OR OSHA: None are known.

PHYSICAL/CHEMICAL DATA

APPEARANCE Transparent, translucent, opaque, or tinted
ODOR Negligible
MELTING POINT 256°C (493°F)
SOLUBILITY IN WATER Negligible
VOLATILE CONTENT % Negligible
SPECIFIC GRAVITY NA

FIRE AND EXPLOSION HAZARD DATA

FLASH IGNITION TEMPERATURE: NA
UNUSUAL FIRE, EXPLOSION HAZARDS: The solid film is combustible. There are no unusual hazards.
During processing the film can pick up a strong static charge.
Avoid discharge into dust or solvent laden air as a flash fire or explosion may result.

HAZARDOUS COMBUSTION PRODUCTS: Incomplete combustion gives, carbon monoxide, and hydrocarbon oxidation products including organic acids, aldehydes, and alcohols.

SPECIAL FIRE FIGHTING PRODUCTS: Use self-contained breathing apparatus if exposed to fumes.

EXTINGUISHING MEDIA: Water, carbon dioxide, foam, dry chemical.

HAZARDOUS REACTIVITY

STABILITY AT ROOM TEMPERATURE: Stable
MATERIALS TO AVOID: Strong acids or alkalis may hydrolyze film.
CONDITIONS TO AVOID: Temperatures above 480°F. Strong acids and bases may hydrolyze.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and hydrocarbon oxidation products including organic acids, acetyl aldehydes, and alcohols.

POLYMERIZATION Will not occur.

HEALTH HAZARD DATA

ACUTE OR IMMEDIATE EFFECTS: ROUTES OF ENTRY AND SYMPTOMS
INGESTION: Low to zero ingestion toxicity.
SKIN: No animal tests have been run. No skin problems are anticipated from normal handling of the film.

EYE: Mechanical irritation only.
INHALATION: Fumes and vapors which are irritating to the eyes, nose, and throat may be produced at temperatures above 480°F. The exposure may result in reddening, tearing, and itching of the eyes and soreness in the nose and throat together with coughing.

EMERGENCY FIRST AID:

- If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.
- Wash skin with soap and plenty of water.
- Flush eyes with water. Consult a physician if symptoms persist.
- If molten film contacts skin, cool rapidly with cold water. Do not attempt to peel film from skin. Obtain medical attention from thermal burn.

CHRONIC EFFECTS: None are Known.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Upper respiratory and lung diseases could be aggravated if exposed to fumes above 480°F.

PROTECTION INFORMATION

EYE: Safety glasses recommended
SKIN: Gloves recommended for handling hot film.
VENTILATION: Normal ventilation except at temperature above 480°F where local ventilation may be required.
RESPIRATOR: Not required.

DISPOSAL

SPILL, LEAK, OR RELEASE: Pick up film to avoid a slipping hazard.
WASTE DISPOSAL: Landfill is preferred. Disposal methods must conform to federal, state, and local regulations.
AQUATIC TOXICITY: No data. However, toxicity is expected to be low because of low solubility of the film in water.
STORAGE CONDITIONS: Store in a cool, dry place. Keep packages closed to prevent contamination.

The information in this Material Safety Data Sheet relates only to the specific material(s) designated herein and does not relate to use in combination with any other material or in any process.

NA = Not Applicable
NE = Not Established

SECTION 313 SUPPLIER NOTIFICATION

This product contains no known toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.