

**MATERIAL SAFETY DATA SHEET**

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POLYMER PRODUCTS DEPARTMENT
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TELEPHONE NUMBERS
EMERGENCY 800-441-3637
PRODUCT INFORMATION 800-441-7515
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MATERIAL IDENTIFICATION**PRODUCT NAMES**

Mylar® Polyester Films
Types A, AB, AH, AS, ASH1, AT, AW,
A867, C, D, DB, DBL, DL, DP, DW, D1,
D821, EC, ED, EDM, EL, EL21, FB140, FE140,
FG, FG90, FG200, FG250, FGMR, FGM140,
GA, GA10, GA10MR, H01, HLB, HP, LBR,
QAW, TTM, XA700MR, XD856, XD856MR,
XM871, XR925, XR944, XR945, XR871, XR975
Polyethylene terephthalate, uncoated

CHEMICAL NAME
CAS REGISTRY NUMBER
DOT HAZARD CLASS
SHIPPING NAME
PREPARER

NA
Not regulated
NA
W. C. Percival

DATE August 11, 1988

HAZARDOUS COMPONENTS**MATERIAL**

No components are hazardous as defined by
29 CFR 1910.1200

CAS NO.
CONCENTRATION %
OSHA PEL
ACGIH TLV
ACGIH STEL
DUPONT AEL

NA
NA
NA
NA
NA
NA

**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
ODOR
MELTING POINT
SOLUBILITY IN WATER
VOLATILE CONTENT %
SPECIFIC GRAVITY

Clear transparent film
Negligible
About 235°C
Negligible
Negligible
NA

FIRE AND EXPLOSION HAZARD DATA

FLASH IGNITION TEMPERATURE NA

UNUSUAL FIRE, EXPLOSION HAZARDS The solid film can be combusted only with difficulty. 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 Complete combustion gives carbon dioxide and water. Incomplete combustion gives, in addition, carbon monoxide, organic acids, aldehydes, and alcohols.

SPECIAL FIRE FIGHTING INSTRUCTIONS 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 None are known.

CONDITIONS TO AVOID Temperatures above 235°C. Strong acids and bases may hydrolyze the film.

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide and hydrocarbon oxidation products including organic acids, aldehydes, and alcohols.

POLYMERIZATION Will not occur.

HEALTH HAZARD DATA

Before using Mylar® Polyester Film, read the bulletin on safe handling instructions.

ACUTE OR IMMEDIATE EFFECTS: ROUTES OF ENTRY AND SYMPTOMS

INGESTION Mylar® was fed to male and female rats and dogs for ninety days at the 10% level in their diet. No compound related effects were seen. Mylar® has low ingestion toxicity.

SKIN No animal tests have been run. However, based on many years of manufacturing these products, no skin problems are anticipated from normal handling of the film.

EYE Mechanical irritation only.

INHALATION Not volatile as marketed. Fumes irritating to the eyes, nose, and throat may be produced at temperatures above about 235°C. 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 polymer contacts skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burn.

CHRONIC EFFECTS None are known.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE None are known.

PROTECTION INFORMATION

VENTILATION Normal ventilation except at temperatures above 235°C where local ventilation may be required.

EYE Safety glasses recommended as part of good industrial safety practice.

SKIN Gloves recommended for handling hot film.

RESPIRATOR Not required.

DISPOSAL

SPILL, LEAK OR RELEASE Pick up film to avoid a slipping hazard.

WASTE DISPOSAL Landfill is preferred. Forced draft incineration is an alternate. Disposal method must conform to federal, state, and local regulations.

AQUATIC TOXICITY No data. Toxicity is predicted to be very low based on the negligible water solubility of the films.

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
AEL = Du Pont Company's Acceptable Exposure Limit
< = New or revised information in this section when "<" is in right margin

STATE RIGHT TO KNOW LAWS

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

**SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST
PRESENT AT A CONCENTRATION OF 1% OR MORE:** None known.

**SUBSTANCES ON THE PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES
LIST PRESENT AT A CONCENTRATION OF 0.01% OR MORE:** None known.

**NONHAZARDOUS INGREDIENTS PRESENT AT A CONCENTRATION OF 3% OR
MORE REQUIRED TO BE LISTED BY PENNSYLVANIA:** Since this product contains no hazardous substances as defined by the Pennsylvania R-T-K Regulations, a MSDS is not required by law.

**WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO
CAUSE CANCER:** None known.

**WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO
CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:** None known.