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Material Safety Data Sheet

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MATERIAL IDENTIFICATION"MYLAR" POLYESTER FILMS IN SYNONYM LIST OF MYL002

MSDS NUMBER : MYL002

"MYLAR" is a registered trademark of Du Pont.

Revision Date : 01-Mar-93
Date Printed : 01-Mar-93

PLAINTIFF'S EXHIBIT

BIR-1126

MANUFACTURER/DISTRIBUTOR

Du Pont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

PRODUCT INFORMATION : 1-(800)441-7515
TRANSPORT EMERGENCY : 1-(800)424-9300
MEDICAL EMERGENCY : 1-(800)441-3637

TRADE NAMES / SYNONYMS

"MYLAR" BA1, CS, CS2, DPC2C, DPC2S
"MYLAR" FGC90, FGC140, FGC250, FGC313
"MYLAR" M30, M30W, M33, M34, M34W, MR3, MR4
"MYLAR" XM34, XM918, XM924, XM964, XM965
"MYLAR" XMBAl, XMBAlW, XMCS, SMCS1, XMCS4
"MYLAR" XR947, XR976, XRCS3, XRM46CHEMICAL NAME Polyethylene terephthalate, polyvinylidene
chloride coated, one or both sides

TSCA INVENTORY STATUS : Reported/Included

COMPONENTS

<u>Material</u>	<u>CAS Number</u>	<u>%</u>
POLYETHYLENE TEREPHTHALATE	25038-59-9	>74
poly(VINYLINE CHLORIDE/METHYL METHACRYLATE)	27379-75-5	<26

No components are hazardous as defined by 29 CFR 1910.1200

PHYSICAL DATA
-----Melting Point : -235 deg C (~455 deg F)
% Volatiles : <0.8 WT %
Water Solubility : Negligible
Odor : Negligible
Form : Transparent film
Color : Clear
Specific Gravity : NA

HAZARDOUS REACTIVITY

Instability : Stable.
Incompatibility : None reasonably foreseeable.
Decomposition : Hazardous gases/vapors produced are carbon monoxide and hydrocarbon oxidation products including organic acids, aldehydes, and alcohols.
Polymerization : Polymerization will not occur.

Conditions to Avoid: Temperatures >235 deg C (455 deg F).
Strong acids and bases may hydrolyze the film.

FIRE AND EXPLOSION DATA

The solid film can be combusted only with difficulty.

FIRE AND EXPLOSION HAZARDS

Hazardous gases/vapors produced in a fire are carbon dioxide, carbon monoxide, organic acids, aldehydes, alcohols, and hydrogen chloride.

EXTINGUISHING MEDIA

Water. Foam. Dry Chemical. CO2.

SPECIAL FIRE FIGHTING INSTRUCTIONS

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

OTHER PHYSICAL HAZARDS

During processing, the film can pick up a strong static charge. Avoid discharge into dust or solvent-laden air, as flash fire or explosion may result.

HEALTH HAZARD INFORMATION

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

(HEALTH HAZARD INFORMATION - Continued)

problems are anticipated from normal handling of the film.

EYE Mechanical irritation.

INHALATION Not volatile as marketed. Fumes irritating to the eyes, nose, and throat may be produced at temperatures above about 235 degrees C. The exposure may result in reddening, tearing, and itching of the eyes, soreness in the nose and throat, and coughing.

CARCINOGENICITY

None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

EXPOSURE LIMITS

"MYLAR" POLYESTER FILMS IN SYNONYM LIST OF MYL002

TLV (ACGIH) : None Established
PEL (OSHA) : Particulates Not Otherwise Regulated
15 mg/m³ - 8 Hr TWA - Total Dust
5 mg/m³ - 8 Hr TWA - Respirable Dust

OTHER APPLICABLE EXPOSURE LIMITS

POLYETHYLENE TEREPHTHALATE

AEL * (Du Pont): 10 mg/m³ - 8 Hr. TWA, Total Dust
5 mg/m³ - 8 Hr. TWA, Respirable Dust
TLV (ACGIH) : None Established
PEL (OSHA) : None Established

- * AEL is Du Pont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SAFETY PRECAUTIONS

Avoid breathing vapors and fumes produced during processing.

FIRST AID

INHALATION

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.

SKIN CONTACT

The compound is not likely to be hazardous by skin contact,

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(FIRST AID - Continued)

attempt to peel polymer 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

No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult physician if necessary.

PROTECTION INFORMATION
-----**GENERALLY APPLICABLE CONTROL MEASURES AND PRECAUTIONS**

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

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face : Safety Glasses.
Respirator : Not required.
Protective Gloves: Wear gloves when handling hot film.

DISPOSAL INFORMATION
-----**AQUATIC TOXICITY**

Expected to be very low based on the negligible water solubility of these films.

SPILL, LEAK, OR RELEASE

No Information Available.

WASTE DISPOSAL

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel value of this product makes option 2 very desirable for material that cannot be recycled. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

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SHIPPING INFORMATION
-----DOT

Proper Shipping Name : Not regulated

STORAGE CONDITIONS

Store in a cool, dry place. Keep packages closed to prevent contamination.

TITLE III HAZARD CLASSIFICATIONS

Acute : Yes
Chronic : No
Fire : No
Reactivity : No
Pressure : No

ADDITIONAL INFORMATION AND REFERENCES

NA = Not Applicable
NE = Not Established
= New or revised information in this section.

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 (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES): None known.

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: Toluene

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(ADDITIONAL INFORMATION AND REFERENCES - Continued)

LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.1% FOR
SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR
TERATOGENS): None known.

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

Responsibility for MSDS : T. E. SCHROER
DU PONT POLYMERS
CHESTNUT RUN PLAZA 715
WILMINGTON DE 19880-0715
302-999-4664

End of MSDS