

10173

10173

U4595
L.F. 1121MATERIAL SAFETY DATA SHEET
POLYURETHANES

MANUFACTURER'S NAME:

INFORMATION TELEPHONE N

PLAST-O-MERIC, INC.
W227 N6225 SUSSEX ROAD
SUSSEX, WI 53089

414-246-8896

DATE OF PREPARATION: 01-01-92

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with Federal and State RIGHT TO KNOW regulations. Also make this information available to any employee who requests it.

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER: ISO 3000, 3000X, OR 4000
PRODUCT NAME: POLYMERIC MDI DIISOCYANATE
PRODUCT CLASS: POLYURETHANE

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT (BY WEIGHT)	OCCUPATIONAL EXPOSURE TLV	LIMITS PEL	VAPOR PRESSURE 20C, mm Hg
Diphenylmethane Diisocyanate CAS# 101-68-8	50.0000	.005 ppm SEE MSDS SECTION X	.02 ppm	.0003 mm/Hg
Similar Structure Oligomers	50.0000	N/LISTED SEE MSDS SECTION X	N/LISTED	N/LISTED

SECTION III - PHYSICAL DATA

BOILING RANGE: Decomposes 646F
VAPOR DENSITY: HEAVIER: X LIGHTER THAN AIR:
EVAPORATION RATE: FASTER: SLOWER THAN ETHER: X
% VOLATILE WEIGHT: .0000 WT/GAL: HEAVIER THAN WATER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

OSHA FLAMMABILITY CLASSIFICATION: COMBUSTIBLE LIQUID CLASS IIIB
FLASH POINT: 360 F

EXTINGUISHING MEDIA

FOAM: X 'ALCOHOL' FOAM: CO2: X DRY CHEMICAL: X WATER FOG: OTHER:

UNUSUAL FIRE AND EXPLOSION HAZARDS

Water contamination will produce carbon dioxide. Do not reseal contaminated

Containers as pressure buildup may rupture them. The reaction between water and hot isocyanate may be vigorous.

CIAL FIREFIGHTING PROCEDURES

Self-contained breathing apparatus to protect against toxic vapors and combustion products.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVER EXPOSURE

Ingestion - Relatively nontoxic by ingestion, however, if swallowed, material can irritate the mucous membranes of the mouth and throat.

Eye contact - Mild to moderate eye irritation

- Skin contact - Not considered a skin irritant, but repeated or prolonged contact can cause skin sensitization.

Inhalation - MDI can induce asthma-like respiratory symptoms including coughing, tightness of chest, labored breathing, increased secretion, pain on respiration. Symptoms may be delayed for up to 12 hours.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE

Personnel should not have history of chronic respiratory disease, asthmatic or bronchial attacks or indications of allergic responses.

MARY ROUTES OF ENTRY: DERMAL:X INHALATION:X INGESTION:X

EMERGENCY AND FIRST AID PROCEDURES

Eye - Immediate flush with copious amounts of water for at least 15 minutes and have eyes examined and treated by medical personnel.

Skin - Wash material off skin thoroughly with soap and water. If redness, itching, or a burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate shoes before reuse.

Ingestion - Do not induce vomiting. If conscious, give 2-3 glasses of water and transfer person to medical facility for gastric lavage.

Inhalation - Remove the affected person to fresh air. Provide artificial respiration if required. Administer oxygen if victim is in respiratory distress.

SECTION VI - REACTIVITY DATA

STABILITY UNSTABLE: STABLE: X

HAZARDOUS POLYMERIZATION MAY OCCUR:X WILL NOT OCCUR:
HAZARDOUS DECOMPOSITION PRODUCTS

Combustion products: Carbon dioxide, carbon monoxide, nitrogen oxides, traces of hydrogen cyanide

CONDITIONS TO AVOID Water contamination

INCOMPATIBILITY (MATERIALS TO AVOID)

This product will react with materials containing active hydrogens such as water, alcohol, ammonia, amines, and alkalies. High temperatures and presence of alkalies, tertiary amines and metal compounds will accelerate the polymerization.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

For minor spills, evacuate and ventilate spill area. Wear full protective equipment, including respiratory equipment. Mix with an absorbent and pour liquid decontaminant over spill (solution - 2% liquid detergent, 8% ammonia, 90% water). Use 10 parts solution to 1 part spill. Shovel material into a waste container for removal. Loosely cover but do not seal container. After about a day the residues can be disposed.

WASTE DISPOSAL

Drums must be decontaminated before disposal. Decontaminate isocyanate with above described solution. Let stand for 48 hours allowing the evolved carbon dioxide to vent away. Drums must not be sealed. Disposal of liquid decontaminant must be carried out in accordance with local, regional, and national regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION

Ventilation is usually sufficient to keep the vapors below the TLV at room temperatures. Exceptions include spraying or heating of the materials. If necessary use a MSHA/NIOSH approved positive pressure supplied air respirator with a full face piece.

VENTILATION Provide general mechanical and local exhaust to maintain vapor concentration below the TLV.

PROTECTIVE GLOVES PVC gloves

EYE PROTECTION Chemical worker's goggles and face shield

OTHER PROTECTIVE EQUIPMENT Chemical apron, safety showers, and eye wash station.

HYGIENIC PRACTICES

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in tightly closed containers to protect from moisture. Protect from freezing (store at minimum of 75F). Do not breathe vapors or allow skin contact. Use and store with adequate ventilation. May cause allergic respiratory reaction. Harmful if inhaled.

~~OTHER PRECAUTIONS~~

" ver use pressure to empty drums. Drum is not a pressure vessel. Drums
st be decontaminated before disposal and must not be used for other
purposes. Protect from moisture contamination (exothermic generation of
CO2 may cause dangerous pressure).

SECTION X - REGULATORY INFORMATION

SECTION 313 SUPPLIER NOTIFICATION

This product contains 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.

This information is furnished without warranty, expressed or implied,
except that it is accurate to the best knowledge of Plast-O-Meric.
The data on this sheet relates only to the specific material
designated herein. Plast-O-Meric assumes no legal responsibility
for use or reliance upon these data.

Vendor # 061186