

MATERIAL SAFETY DATA SHEET**MER-THANE 320/330 MEMBRANE**

SUPPLIER Mer-Ko Materials, a division of ParexLahabra
501 Van Ness Avenue
Torrance, CA 90501

CONTACT Gary Linza
PHONE 310.320.1880
DATE 08.25.99

INGREDIENTS	CAS NUMBER	EXPOSURE LIMITS	INGREDIENTS	CAS NUMBER
Aromatic Hydrocarbon Solvent	64742-94-5	100 ppm (OSHA TWA)	Urethane Prepolymer	1321-38-6
Diphenyl Methane Diisocyanate	101-68-8	.0005 ppm (ACGIH TLV)	Petroleum Hydrocarbon	64742-03-6
Toluene Diisocyanate	26471-62-5	.005 ppm (OSHA TWA)	Napthalene	91-20-3

PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point - >278F Specific Gravity - 1.12 Evaporation Rate - Slower than ether Vapor Density - Heavier than air
Solubility in Water - Negligible Appearance & Odor – viscous black paste, petrochemical odor VOC – 200 grams/liter

FIRE & EXPLOSION HAZARDS

Flash Point - 143F Extinguishing Media - Carbon dioxide, dry chemical, foam, water fog
Special Fire Fighting Procedures - Wear self-contained breathing apparatus. Fight as a volatile liquid fire.
Flammable Limits - LEL: 1.1% UEL: 6.6%
Unusual Fire & Explosion Hazards - Irritating and toxic gases may be generated upon combustion. If containers are subjected to excessive heat, they may burst.

REACTIVITY DATA

Stability - Stable Materials to Avoid - Water, oxidizers, strong bases. Conditions to Avoid - Heat, sparks and flames.
Hazardous Decomposition Products - Organic acids and thermal decomposition products.
Hazardous Polymerization - Will not occur.

HEALTH HAZARD DATA

Routes of Entry - Inhalation, Eye Contact, Skin Contact, Ingestion
INHALATION - May cause nose, throat and respiratory irritation (dry throat, cough shortness of breath) which may result in sinusitis, bronchitis or asthma.
EYE CONTACT - May cause eye irritation .
SKIN CONTACT - Moderately irritating. May result in systematic toxic effects and allergic dermatitis.
INGESTION - May cause irritation in mouth, stomach, digestive tract and nausea, vomiting, and abdominal pain. Moderately toxic.
NOTE: Chronic exposure to organic solvents may cause permanent brain and nervous system damage. Individuals with past History of Isocyanate hypersensitivity must not be expose to spray mist containing isocyanates.
First Aid Procedures
INHALATION - Remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact physician.
EYE CONTACT - Wash with large amounts of water for 15 minutes. Contact physician.
SKIN CONTACT - Remove contaminated clothing and discard. Wipe off affected areas with a dry towel and wash with soap and water for 15 minutes. Get immediate medical attention.
INGESTION - Contact physician. Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs.
Carcinogenicity - OSHA: Diisocyanates are suspected carcinogens.
Medical Conditions Aggravated By Exposure - Pre-existing eye, skin, respiratory and nervous system disorders.

PERSONAL PROTECTION RECOMMENDATIONS

Protective gloves, goggles and NIOSH/MSHA approved respirator in confined areas.
Wash hands thoroughly after handling and before eating or smoking.

PRECAUTIONS FOR SAFE HANDLING AND USE

Spill Procedure - Evacuate nonessential personnel. Remove all sources of ignition. Avoid personal contact with spilled material. Wear gloves, goggles and respirators. Dike and cover spill with absorbent material. Sweep or shovel up into open containers.
Waste Disposal Method - May be incinerated or landfilled in accordance with local, state and federal regulations.
Storage Precautions - Do not allow to freeze. Store in closed containers in a dry place with adequate ventilation. Keep away from heat and flames.

SHIPPING INFORMATION DOT: Shipping Name – Flammable Liquid, UN 1993, PG III
OCEAN & AIR: IMDG & ICAO - Not Regulated