

**MATERIAL SAFETY DATA SHEET****MER-THANE 300/310  
BASE & INTERMEDIATE COAT**

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

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<b>INGREDIENTS</b>	<b>CAS NUMBER</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Aromatic Hydrocarbon Solvent	64742-95-6	N/E	100 ppm
Aliphatic Naptha	64742-47-8	N/E	100 ppm
Toluene Diisocyanate	26471-62-5	.005 ppm	(skin) <0.1% wt.

**PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point - >320F      Specific Gravity - 1.2      Evaporation Rate - Slower than ether      Vapor Density - Heavier than air      Solubility  
in Water - Negligible      Appearance & Odor - Liquid of various colors, solvent odor      VOC – 220 grams/liter

**FIRE & EXPLOSION HAZARDS**

Flash Point - 110F      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: 1.0%      UEL: 7%  
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