

**MATERIAL SAFETY DATA SHEET****CHEM COAT ("A" & "B" Components)**

**SUPPLIER** Mer-Ko Materials, a division of ParexLahabra  
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| <b>INGREDIENTS</b>                            | <b>CAS NUMBER</b> | <b>OSHA TWA</b> | <b>ACGIH TWA</b> |
|---|-------------------|-----------------|------------------|
| "A" Propylene Glycol Monomethyl Ether Acetate | 108-65-6          | N/E             | N/E              |
| Xylene  | 1330-20-7         | 100 ppm         | 100 ppm          |
| 2-Butanone                                    | 78-93-3           | 200 ppm         | 200 ppm          |
| "B" Homopolymer of HDI                        | 28182-81-2        | N/E             | N/E              |
| Hexamethylene Diisocyanate (Less than 1%)     | 822-06-0          | N/E             | .005 ppm         |

**PHYSICAL/CHEMICAL CHARACTERISTICS**

("A" & "B") Boiling Point - N/E Freezing Point N/E Specific Gravity - 1.011 @ 25C Evaporation Rate - ("A" & "B") N/E  
Percent Volatile By Volume - ("A")40% ("B")0% Solubility in Water - ("A") Slight ("B") Insoluble  
Appearance & Odor - ("A")Nearly clear liquid, solvent smell ("B")Pale yellow liquid, negligible odor

**FIRE & EXPLOSION HAZARDS**

Flash Point - ("A") 100F ("B") 385F 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 - ("A") LEL: 1.3% @ 173F UEL: 13% @ 283F ("B") N/A  
Unusual Fire & Explosion Hazards - ("A" & "B") Irritating and toxic gases may be generated upon combustion.

**REACTIVITY DATA**

Stability - ("A" & "B") Stable Materials & Conditions to Avoid - ("A") Oxidizers, materials containing phosphorus, heat and flames  
Materials & Conditions to Avoid - ("B") Water, amines, strong bases, alcohols, metal compounds, excessive heat and flames.  
Hazardous Decomposition Products - ("A") CO, CO2 ("B") CO, CO2, NO, HCN, HDI.  
Hazardous Polymerization - ("A") Will not occur. ("B") May occur with moisture contact or temperatures above 400F.

**HEALTH HAZARD DATA**

Routes of Entry - Inhalation, Eye Contact, Skin Contact, Ingestion  
INHALATION - ("A" & "B") May cause nose, throat and respiratory irritation.  
EYE CONTACT - ("A") May cause severe irritation and corneal damage. ("B") May cause moderate to severe irritation.  
SKIN CONTACT - ("A" & "B") Moderately irritating. May result in defatted dry skin and may develop into dermatitis.  
INGESTION - ("A" & "B") May cause irritation in mouth, stomach, digestive tract and nausea, vomiting, and abdominal pain.  
NOTE: Chronic exposure to organic solvents may cause permanent brain and nervous system damage.  
First Aid Procedures ("A" & "B")  
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 - ("A" & "B") Not listed or regulated as a carcinogen.  
Medical Conditions Aggravated By Exposure - ("A" & "B") Pre-existing eye, skin and respiratory disorders.

**PERSONAL PROTECTION RECOMMENDATIONS ("A" & "B")**

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

**PRECAUTIONS FOR SAFE HANDLING AND USE ("A" & "B")**

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**

("A") Shipping Name - Combustible Liquid N.O.S., NA1993, Pg III. ("B") Not regulated.