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MATERIAL SAFETY DATA SHEET

**SECTION 1 – IDENTIFICATION**

**Trade Name:** Top Coat X.H.D.

**Product No.:** ML805 – Part A & Part B

**Supplier's Name:** Metalink Polymer and Adhesives

**Emergency Phone:** 1-800-721-2448

**Address:** P.O. Box 209, Buna, TX 77612

**SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

BASE - PART A					
Chemical Name	CAS #	Weight Percent	Occup. Exposure Limits		Vapor Pressure Mm Hg & Temp. F
			OSHA PEL	ACGIH TLV	
Epoxy Novolac Resins	Mixture	85 – 95	Not Established		Not Established
Benzyl Alcohol	101-51-6	1 – 5	Not Established		1 68

\* Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372

HARDENER - PART B					
Chemical Name	CAS #	Weight Percent	Occup. Exposure Limits		Vapor Pressure Mm Hg & Temp. F
			OSHA PEL	ACGIH TLV	
Aliphatic Amines	Mixture	75 – 85	Not Established		Not Established
Benzyl Alcohol	101-51-6	10 – 20	Not Established		Not Established

\* Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

**SECTION 3 – HAZARD IDENTIFICATION**

BASE – PART A	
<b>Effects of Overexposure:</b>	
<b>Eyes</b>	Irritation, burning, tearing and redness.
<b>Skin</b>	Moderately irritating.
<b>Ingestion</b>	Abdominal pain, nausea, vomiting and diarrhea.
<b>Inhalation</b>	Headache, nausea, respiratory tract irritant.

HARDENER – PART B	
<b>Effects of Overexposure:</b>	
<b>Eyes</b>	Irritation, burning, tearing, redness, swelling, possible chemical burns.
<b>Skin</b>	Severe irritation, possible skin sensitizer. Can cause chemical burns, redness and swelling.
<b>Ingestion</b>	Abdominal pain, nausea, vomiting, diarrhea, throat and mouth burns.
<b>Inhalation</b>	Headaches, nausea, respiratory tract irritant.

**SECTION 4 – FIRST AID MEASURES**

BASE – PART A	
<b>Eyes</b>	Flush with water for 15 minutes.
<b>Skin</b>	Remove contaminated clothing, wash skin with soap and water.
<b>Ingestion</b>	<b>Do not</b> induce vomiting.
<b>Inhalation</b>	Move to fresh air, aid breathing if necessary.
<b>In all cases, consult a physician for best treatment.</b>	

HARDENER – PART B	
	Flush with water for 15 minutes.
	Remove contaminated clothing, wash skin with soap and water.
	<b>Do not</b> induce vomiting. Get medical treatment immediately.
	Move to fresh air, aid breathing if necessary.
<b>In all cases, consult a physician for best treatment.</b>	

Chemical listed as a carcinogen or a potential carcinogen: **NTP:** No

**IARC:** No

**OSHA:** No

**SECTION 5 – FIRE FIGHTING MEASURES**

BASE – PART A	
<b>Flash Point (Deg. F)</b>	250°
<b>Flammability Limits</b>	N/A
<b>Auto-ignition Temperature</b>	Foam, alcohol foam, CO2, dry chemical, water spray
<b>Extinguishing Media</b>	Combustible liquid, Class IIIB
<b>Special Fire Fighting Procedures</b>	Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool.

HARDENER – PART B	
<b>Flash Point</b>	250°
<b>Flammability Limits</b>	N/A
<b>Auto-ignition Temperature</b>	Foam, alcohol foam, CO2, dry chemical, water spray
<b>Extinguishing Media</b>	Combustible liquid, Class IIIB
<b>Special Fire Fighting Procedures</b>	Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool.

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BASE – PART A - Continued	
<b>Unusual Fire and Explosion Hazards</b>	Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

HARDENER – PART B - Continued	
<b>Unusual Fire and Explosion Hazards</b>	Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Steps to be taken in case material is released or spilled:** Dike spill area. Absorb spill with inert absorbent material. Place in sealed metal containers for proper disposal.

**SECTION 7 – HANDLING AND STORAGE**

**Precautions to be taken in handling and storing:** Store in dry area. Keep away from open flames and high temperatures.

**Other precautions:** Minimize contact. Avoid breathing vapors. Practice good industrial hygiene and safe working practices.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory Protection:** Use a NIOSH/MSHA jointly approved respirator  
**Ventilation:** Use mechanical ventilation  
**Protective Gloves:** Neoprene or rubber  
**Eye Protection:** Chemical splash goggle  
**Other Protective Equip.:** Protective clothing, barrier cream, eye bath, safety shower

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

BASE – PART A	
<b>Boiling Range (Deg. F)</b>	N/A
<b>Evaporation Rate</b>	Slower than ether
<b>Vapor Density</b>	Heavier than air
<b>Weight Per Gallon (lbs.)</b>	10.2 ± .75
<b>Percent Volatile by Volume:</b>	0

HARDENER – PART B	
<b>Boiling Range (Deg. F)</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>Vapor Density</b>	N/A
<b>Weight Per Gallon (lbs.)</b>	8.9 ± .5
<b>Percent Volatile by Volume:</b>	0

**SECTION 10 – STABILITY AND REACTIVITY**

BASE – PART A	
<b>Stability</b>	Product stable
<b>Conditions to avoid</b>	All sources of ignition
<b>Incompatibility (Materials to avoid)</b>	Oxidizing agents, strong acids and bases
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds
<b>Hazardous polymerization</b>	Will not occur

HARDENER – PART B	
<b>Stability</b>	Product stable
<b>Condition to avoid</b>	All sources of ignition
<b>Incompatibility (Materials to avoid)</b>	Oxidizing agents, strong acids and bases
<b>Hazardous decomposition products</b>	Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds
<b>Hazardous polymerization</b>	Will not occur

**SECTION 13 – DISPOSAL CONSIDERATION**

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

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SECTION 16 – OTHER INFORMATION

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**BASE – PART A**

HMIS Hazard Rating: **Health** 2  
**Flammability** 1  
**Reactivity** 0

**HARDENER – PART B**

HMIS Hazard Rating: **Health** 2  
**Fire Hazard** 1  
**Reactivity** 0

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the user. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any federal, state or local laws, rules, regulations or ordinances.

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