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MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Trade Name: Top Coat

Product No.: ML801 – 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	
Liquid Epoxy Resin	Mixture	70 – 80	Not Established		Not Established
Aliphatic Glycidyl Ether	68609-97-2	10 – 20	Not Established		Not Established
Nonyl Phenol	25154-52-3	5 – 15	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 Polyamines	Mixture	50 – 60	Not Established		Not Established
Benzyl Phenol	25154-52-3	40 – 50	Not Established		1 68

* 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	
Effects of Overexposure:	
Eyes	Irritation, burning, tearing and redness.
Skin	Moderately irritating.
Ingestion	Abdominal pain, nausea, vomiting and diarrhea.
Inhalation	Headache, nausea, respiratory tract irritant.

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

SECTION 4 – FIRST AID MEASURES

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

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

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

IARC: No OSHA: No

SECTION 5 – FIRE FIGHTING MEASURES

BASE – PART A	
Flash Point (Deg. F)	250°
Flammability Limits	N/A
Auto-ignition Temperature	Foam, alcohol foam, CO2, dry chemical
Extinguishing Media	Combustible liquid, Class IIIB

HARDENER – PART B	
Flash Point	330°
Flammability Limits	N/A
Auto-ignition Temperature	Foam, alcohol foam, CO2, dry chemical
Extinguishing Media	Combustible liquid, Class IIIB

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BASE – PART A - Continued		HARDENER – PART B - Continued	
Special Fire Fighting Procedures	Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.	Special Fire Fighting Procedures	Wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool. Water may be ineffective as an extinguishing agent.
Unusual Fire and Explosion Hazards	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.	Unusual Fire and Explosion Hazards	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	
Boiling Range (Deg. F)	250°
Evaporation Rate	Slower than ether
Vapor Density	Heavier than air
Weight Per Gallon (lbs.)	9.3 ± .5
Percent Volatile by Volume:	0

HARDENER – PART B	
Boiling Range (Deg. F)	250°
Evaporation Rate	N/A
Vapor Density	N/A
Weight Per Gallon (lbs.)	8.1 ± .25
Percent Volatile by Volume:	0

SECTION 10 – STABILITY AND REACTIVITY

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

HARDENER – PART B	
Stability	Product stable
Condition to avoid	All sources of ignition
Incompatibility (Materials to avoid)	Oxidizing agents, strong acids and bases
Hazardous decomposition products	Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds
Hazardous polymerization	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

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.
