HAMMERHEAD®

SAFETY DATA SHEET — *EPOXY RESIN*

DATE: 3/19/2015
SUPERCEDES: 1/03/2012

PRODUCT NAME: HYDRALINER EPOXY RESIN

CHEMICAL FAMILY: Epoxy Resin Mixture

SECTION 1 – IDENTIFICATION

MANUFACTURER'S NAME: HAMMERHEAD TRENCHLESS EQUIPMENT

ADDRESS: 500 SOUTH CP AVENUE, LAKE MILLS, WI 53551

INFORMATION PHONE: 920-648-4848

EMERGENCY CONTACT: (CHEMTREC): **800-424-9300**

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Epoxy resin solution. Certain individuals may have pre-existing skin or respiratory conditions causing a sensitivity or allergy which manifests as various reactions. Heating or spraying this product or the mixed parts increases potential health hazards. Health and Safety personnel should examine the handling procedures and remedy any existing or potential health and safety hazards.



POTENTIAL HEALTH EFFECTS:

EYE:
- May cause irritation.

SKIN:
- May cause irritation. Low dermal absorption hazard.

INGESTION:
- May inflame or damage the G.I. tract. Ingestion may be harmful.

INHALATION:
- May cause irritation.

CHRONIC EFFECTS:
- Repeated exposure may cause irritation and sensitization.

SIGNS & SYMPTOMS:
- Skin rash, irritation, reddening, or eczema; breathing irritation or difficulty.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Bisphenol A Reaction Product	<75	25085-99-8	N/E
Bisphenol F Resin	> 5	28064-14-4	N/E
2-Ethyl Hexyl Glycidyl Ether	>10	2461-15-6	N/E
Silicates	<20	112945-52-5	N/E
Petroleum Distillates	<1	64742-47-8	N/E

SECTION 4 – FIRST-AID MEASURES

♦USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS♦

EYE:
- Hold eyelids apart and flood with copious amounts of water. Seek medical attention.

SKIN:
- Remove excess product. Wash thoroughly with soap and water. If irritation persists, seek medical attention.

INGESTION:
- Do not induce vomiting unless directed by medical personnel. Seek medical attention.

INHALATION:
- Remove to fresh air. Seek medical attention.

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SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT: 177°C 350°F UEL: N/A LEL: N/A VAPOR DENSITY: N/A
NFPA FLAMMABILITY RATING: 1 AUTOIGNITION: 300°C 570°F
COMBUSTION PRODUCTS: CO, CO_2, NO_x, & misc. hydrocarbons.
SPECIAL HAZARDS: Pre-sensitization to epoxy.
EXTINGUISHING MEDIA: Use foam, CO_2, dry chemical, water fog.
FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Isolate spill area. Keep out of sewer and storm drains. Stop the leak and contain the spill. Vacuum, scoop, or absorb spill with non-combustible materials. Clean up spill residues with soap and water.

SECTION 7 – HANDLING AND STORAGE

Avoid skin and eye contact and breathing vapors or mists by appropriate measures. Do not eat or smoke while handling this product. Wash thoroughly after handling or exposure to this product.

Store in original sealed container at ambient temperatures (65°-80°F) in dry, well-ventilated areas.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

For Personal Exposure Limits (PEL), Threshold Limit Values (TLV) or other exposure limits, see Sec. 3.
GENERAL: Provide ventilation that will keep airborne concentration at a minimum.
EYE/FACE: Safety glasses or splash goggles with face shield.
SKIN: Butyl or nitrile rubber chemical gloves. Wear chemical resistant clothing where exposure may occur.
RESPIRATORY: NIOSH approved respirator with organic vapor/HEPA filter cartridges.
OTHER: Decontaminate or discard clothing and materials that have come in contact with this product.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: thick syrup ODOR: slightly sweet PHYSICAL STATE: liquid
VAPOR PRESS: N.D.A. SPECIFIC GRAVITY: 1.13 pH: N.D.A.
BOILING PT: N.D.A. MELT PT: N/A SOLUBILITY IN H_2O: slightly

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
INCOMPATIBILITY: Strong acids, caustics, oxidizers, and epoxy hardeners in an uncontrolled condition.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

SECTION 11 – TOXICOLOGICAL INFORMATION

Oral: N.D.A.
Dermal: N.D.A.
Inhalation: N.D.A.
Carcinogens under OSHA, ACGIH, NTP, IARC, or Other: None ≥ 0.1%.

SECTION 12 – ECOLOGICAL INFORMATION

N.D.A.

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SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable federal, state, and local laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT: Not Regulated.
IATA: Not Regulated.
IMO:

SECTION 15 – REGULATORY INFORMATION

OSHA: 29 CFR 1910.1200 Hazardous Chemical “Irritant”, “Sensitizer”.
TSCA: Ingredients listed.
SARA III: Sec311 & 312 Immediate Health Hazard; Sec313 Chemicals above de minimus level: None
CA PROP. 65 NOTICE: WARNING: This product contains a material known to the State of California to cause cancer. (Residual Epichlorohydrin @<1ppm
NFPA: Health 1 Fire 1 Reactivity 0 Other N/A

CANADIAN REGULATORY INFORMATION
WHMIS: Hazard Classification: Class D2B Skin Sensitizer. Refer to SDS for specific warnings.
WHMIS Symbols: Stylized T.
WHMIS Trade Secret Registry Numbers: None.
Hazardous Products Act Information: This product SDS contains ingredients which are Controlled and/or on the Ingredient Disclosure List (HPA sections 13 and 14).



SECTION 16 – OTHER INFORMATION

3/19/2015 Change to SDS format. Supercedes 1/03/2012.

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; NE = not established

Disclaimer: The data set forth in this sheet are based on information provided by the suppliers of the raw materials and chemicals used in the manufacture of the aforementioned product. HammerHead Trenchless Equipment makes no warranty with respect to the accuracy of the information provided by their suppliers, and disclaims all liability of reliance thereof.