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Lapmaster
International



MATERIAL SAFETY DATA SHEET

Date: November 2009

Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster International, LLC
501 W. Algonquin Road
Mt. Prospect, IL 60056

Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)
Emergency Phone: 24 Hours/Chemtrec – 1-800-424-9300

Product Identification: Epoxy Hardener, Slow Cure
Product Name: METS-EPOX-HAR-SXXX

Section #2: COMPOSITION INFORMATION ON INGREDIENTS

Ingredient Information: Gel-Paste Additive

Component Name	Percentage %	CAS Number	OSHA PEL	ACGIH TWA
Polyoxyalkyleneamine	10-30%	Trade Secret	N/E	N/E
Diethylenetriamine	10-30%	111-40-0	1 ppm	1 ppm
Triethylenetetramine	30-60%	112-24-3	N/E	N/E
Polyalkylamine epoxy adduct	30-60%	Unknown	N/E	N/E

Section #3: HAZARDS INFORMATION

EMERGENCY OVERVIEW: Product spill may cause a burn & slipping hazard

POTENTIAL HEALTH EFFECTS:

EYE: Corrosive to eyes and may cause severe damage
SKIN: May burn or be absorbed thru the skin in harmful amounts
INGESTION: Prolonged exposure may cause serious injury or death
INHALATION: Can cause irritation if heated

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Causes burns, harmful if inhaled or swallowed

HEALTH HAZARDS (ACUTE AND CHRONIC):

No Data Available

SIGNS AND SYMPTOMS OF EXPOSURE:

No Data Available

CHRONIC / CARCINOGENICITY:

N/A

NTP: Not Listed
OSHA: Not Listed
IARC: Not Listed

Section #4: FIRST AID MEASURES

EYES: Flush w/water, Remove Contacts, Flush eyes again. Seek Medical Attention
SKIN: Wash with Soap & water for at least 15 minutes, then Seek Medical Attention
INGESTION: Do not induce vomiting – Seek Immediate Medical Attention
INHALATION: If applicable, remove victim to fresh air – Seek Medical Attention

Section #5: FIRE FIGHTING MEASURES

FIRE FIGHTING: Self-Contained Breathing Apparatus, Avoid Inhalation of Fumes.
EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam, Water Fog
FLASH POINT: 215 Degrees F
AUTOIGNITION TEMPERATURE: No Data
HAZARDOUS COMBUSTION PRODUCTS: Heat
CONDITIONS OF FLAMMABILITY: Requires Continuous Flame to Ignite
EXPLOSION DATA:
IMPACT SENSITIVITY: N/A
STATIC DISCHARGE: N/A

Section #6: ACCIDENTAL RELEASE MEASURES

GENERAL: Confine spill, use local and/or federal regulations in the collecting and disposal of material. Wear appropriate protective equipment during clean-up. Recover clean product. Absorb contaminated product with inert material such as clay. Wash spill area with soap and water.

Section #7: HANDLING AND STORAGE

HANDLING: Wear Safety Goggles, Use Protective Gloves, NIOSH Approved Respirator
STORAGE: Store between 60 & 90 degrees F. Keep containers sealed until ready for use. Keep away from heat and acids.

Section #8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust to get below lowest component TLV
PERSONAL PROTECTION:
EYE/FACE: Wear Chemical Splash Goggles or Face Shield
SKIN: Use Butyl Rubber or Neoprene Gloves
RESPIRATORY: Not required in a well-ventilated area

Section #9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste/Gel
ODOR AND APPEARANCE: Clear with an Ammonia-like odor
BOILING POINT: 278-500 degrees F
MELTING POINT: N/A
PH: N/A
VAPOR PRESSURE (mmHg): N/A
SPECIFIC GRAVITY: 1.0363
WATER SOLUBILITY: N/A
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than Butyl Acetate
COEFFICIENT WATER/OIL: N/A

Section #10: STABILITY AND REACTIVITY

STABILITY: Stable under normal storage conditions
STABILITY CONDITIONS TO AVOID: Heat
REACTIVITY: Epoxy resins and isocyanates in large amounts,
including aldehydes, ketones, acrylates and organic halides.
REACTIVITY CONDITIONS TO AVOID: Exposure to extreme heat or flames

Section #11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH HAZARDS:	LD50	LC50
Polyoxyalkyleneamine	derm(rbt)>10g/kg	No Information
Diethylenetriamine	skin(rbt) 1090mg/kg	No Information
derm(rbt)850mg/kg	No Information	
Polyalkylamine epoxy adduct	No Information	No Information

Section #12: ECOLOGICAL INFORMATION

GENERAL: No information

Section #13: DISPOSAL INFORMATION

WASTE DISPOSAL: Comply with State and/or Federal regulations
RCRA HAZARDOUS WASTE: Not RCRA hazardous waste

Section #14: TRANSPORTATION INFORMATION

DOT HAZARD CLASS: 8
PROPER SHIPPING NAME: Polyamines, Liquid, nos
TECHNICAL NAME: Diethylenetriamine, Triethylenetetramine
IDENTIFICATION NUMBER: UN2735
TDGA: Not Listed
PACKING GROUP: II

Section #15: REGULATORY INFORMATION

TSCA STATUS: N/A
WHMIS CLASSIFICATION: N/A

Section #16: OTHER INFORMATION

HMIS Rating: Health 3, Flammability 1, Reactivity 0

The information contained in this Material Safety Data Sheet (MSDS) document is believed to be accurate and reliable. Because it is impossible to anticipate all conditions of use, some additional safety precautions may be required. *LAPMASTER INTERNATIONAL, LLC, MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.* Each user should read and understand the information provided and incorporate it into their individual site safety programs as required by applicable hazard communication standards and regulations.

ABBREVIATIONS:

ACGIG	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EPA	Environmental Protection Agency
PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment
EPRCA 313	Emergency Planning & Community Right-to-Know Act, Section 313
WHIMIS	Canadian Workplace Hazardous Material Information System
OSHA	Occupational Health and Safety Administration