SAFETY DATA SHEET

Date: June 2015

Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster Wolters, LLC  
501 W. Algonquin Road  
Mt. Prospect, IL 60056  
Telephone: (224) 859-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)  
24-Hour Emergency Number: Chemtrec – 1-800-424-9300  
Product Name: Fast Cure Epoxy Resin: METS-EPOX-RES-0XXX  

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Causes skin irritation. Prolonged contact with eyes may cause injury. Strong skin allergen. Toxic to aquatic organisms.

PRIMARY ROUTES OF ENTRY: SKIN CONTACT  EYE CONTACT

GHS LABEL INFORMATION:
PICTOGRAM: 12-Harm+Env

SIGNAL WORD: WARNING!

HAZARD LABEL STATEMENTS:
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H411 Toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS:
P264 Wash all contact areas thoroughly after handling.
P272 + P363 Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.
P501 Dispose of container and unused contents in accordance with state and local regulations.
P302 + P352 + P332 + P313 IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>CHEMICAL NAME</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>Bisphenol-A Epoxy resin</td>
<td>50 - 100%</td>
</tr>
<tr>
<td>68609-97-2</td>
<td>Alkyl glycidyl ether</td>
<td>10 - 20%</td>
</tr>
<tr>
<td>15625-89-5</td>
<td>Trimethylolpropane triacrylate</td>
<td>5 - 10%</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Remove contact lenses if safe to do so. Flush eye with water for 15 minutes. Get immediate medical attention.

SKIN CONTACT: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
**INHALATION:** If symptoms occur, remove to fresh air. Medical personnel may administer oxygen if breathing is difficult. Seek medical attention if symptoms persist.

**INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIAN:** Treat symptomatically.

### SECTION 5 - FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** ALCOHOL FOAM, CO2, DRY CHEMICAL, FOAM, WATER FOG

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Closed containers may rupture or explode (due to pressure build-up) when exposed to extreme heat. Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.

**SPECIAL FIREFIGHTING PROCEDURES:** Use NIOSH-approved self-contained breathing apparatus and full protective clothing. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** SMALL SPILL – Wear gloves and goggles. See Section 8 for type. LARGE SPILL – Wear gloves, synthetic apron, and goggles. See Section 8 for type.

**ENVIRONMENTAL PRECAUTIONS:** Prevent entry into drains and/or waterways. Keep off of soil.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Mark area and keep unnecessary personnel away from spill area. Reclaim clean material. Absorb with inert material, such as clay. Sweep or shovel into loosely-covered waste container and remove to appropriate waste area. Dispose of in accordance with federal, state, and local regulations. Contact manufacturer for further instructions.

### SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes, skin, and clothing. Remove contaminated clothing and wash before reuse. Contaminated leather articles should be disposed of. If product is heated, process with local ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. DO NOT reuse empty container without commercial clean or recondition. FOR INDUSTRIAL USE ONLY.

**STORAGE:** Store indoors in a cool dry place under ambient conditions. Keep container closed when not in use.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS**

<table>
<thead>
<tr>
<th>CAS NUMBER</th>
<th>TLV-TWA</th>
<th>TLV-STEL</th>
<th>PEL-TWA</th>
<th>PEL-CEILING</th>
<th>SKIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>NO</td>
</tr>
<tr>
<td>68609-97-2</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>NO</td>
</tr>
<tr>
<td>15625-89-5</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>NO</td>
</tr>
</tbody>
</table>

*(TD) = Total Dust  *(RD) = Respirable Dust
ENGINEERING CONTROLS: Local exhaust as needed to control vapor or dust levels to below lowest component safe exposure limit.

PERSONAL PROTECTIVE EQUIPMENT: Clean clothing to cover skin. Eye wash and safety shower.

RESPIRATORY PROTECTION: If TLV/PEL is exceeded, if use is performed in a poorly-ventilated space, or if inhalation effects occur, use approved vapor cartridge respirator in accordance with applicable health and safety regulations and manufacturer's recommendations.

SKIN PROTECTION: Butyl rubber gloves. Nitrile gloves. Supported PVA gloves.

EYE PROTECTION: Chemical splash goggles.

FLASH POINT (DEG C): 113
AUTOIGNITION TEMPERATURE : No Data
LOWER FLAMMABILITY/EXPLOSION LIMIT : No Data
UPPER FLAMMABILITY/EXPLOSION LIMIT : No Data

CHEMICAL STABILITY: Stable under normal storage conditions.

INCOMPATIBILITY/MATERIALS TO AVOID: Strong bases or oxidants. Strong Lewis or mineral acids. Reaction with amines or mercaptans in large amounts and/or under uncontrolled conditions releases considerable heat and may release acrid fumes or smoke.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon. Harmful or noxious monomeric compounds.

HAZARDOUS REACTIONS: Will not occur under normal conditions.

CONDITIONS TO AVOID: This product is stable under normal storage conditions.

**SECTION 11 - TOXICOLOGICAL PROPERTIES**

**Bisphenol-A Epoxy resin**
- Dermal- LD50 (Rabbit): 23,000 mg/kg
- Inhalation- LD50 (Rat): >15,000 mg/kg

**Alkyl glycidyl ether**
- Oral- LD50 (Rabbit): 19,200 mg/kg
- Dermal- LD50 (Rabbit): >4,500 mg/kg

**Trimethylolpropane triacrylate**
- Oral LD50(rat) = 5709 mg/kg
- Dermal LD50 (rabbit) = 7050 mg/kg
ACUTE EFFECTS – EYE:
Severely irritating to the eyes. If not removed promptly, will injure eye tissue, which may result in permanent damage.

ACUTE EFFECTS – SKIN:
Contact causes skin irritation with redness, swelling and scaling.
May be absorbed through skin in harmful amounts.
Repeated or prolonged contact may cause sensitization with rash and swelling.

ACUTE EFFECTS – INHALATION:
High vapor concentrations are irritating to respiratory tract.

ACUTE EFFECTS – INGESTION:
May cause nausea and vomiting.
Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

CHRONIC OVEREXPOSURE/OTHER INFORMATION: *
Preexisting dermatological conditions may be aggravated by exposure or contact.
This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction, skin disorders and allergies.
Subchronic exposure to rabbits, skin, 20days, 2ml of 5% solution/kg/day showed no histologic evidence of toxicity (EPA Doc. 1982).

SECTION 12 - ECOLOGICAL INFORMATION

COMPONENT ECOLOGICAL INFORMATION:
-------- CHEMICAL NAME ---------    ------------- TEST DATA ---------------
Bisphenol-A Epoxy resin             LC50 (Rainbow trout)(96 h): 2 mg/L
          EC50 (Water Flea) (48 h): 1.8 mg/L
          ErC50 (Fresh water algae) (72 h): 11 mg/L
          IC50 (Bacteria) (18 h):  > 42.6 mg/L
Alkyl glycidyl ether                Aquatic toxicity- EC50 (Daphnia magna): 10 mg/l
Trimethylolpropane triacrylate     No Information

SUMMARY OF ECOLOGICAL INFORMATION:
BIOACCUMULATION POTENTIAL: No information indicating bioaccumulation
PERSISTENCE AND DEGRADABILITY: No information indicating persistence or degradability
AQUATIC TOXICITY: H411 Toxic to aquatic life with long lasting effects

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Review all current federal, state, and local regulations regarding health and disposal for appropriate disposal procedures. For small amounts, mix resin and hardener according to product directions and allow to harden. When cured, product is non-hazardous, and may be placed in industrial or municipal landfill if local regulations permit. Material "as sold" is not regulated as a hazardous waste under federal RCRA regulations. DO NOT landfill free liquid. Fuels blending or incineration of free liquid recommended if permitted.

SECTION 14 - TRANSPORTATION INFORMATION

INTERNATIONAL SHIPPING NAME: Not considered a dangerous good for transport by ground in the U.S.
Not considered a Dangerous Good in containers 5L or less
MARINE/AIR INTERNATIONAL: Environmentally Hazardous Substance, Liquid, nos (Bisphenol-A Epoxy)

ID NUMBER: UN3082
PACKING GROUP: III
PRIMARY HAZARD CLASS: 9
HAZARD SUBCLASS: N/A
INTERNATIONAL EMS NO: F-A, S-F, 9L
NA EMERGENCY RESPONSE GUIDE NO: N/A
SECTION 15 - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65 STATEMENT: NONE

CERCLA - SARA HAZARD CATEGORY:
This product has been reviewed, and is considered, under applicable definitions, to meet the following categories:
IMMEDIATE HEALTH HAZARD

SARA SECTION 313:
This product contains the following substances subject to the reporting requirements of Section 313 and 40 CFR part 372:
--------- CHEMICAL NAME ---------
None

TOXIC SUBSTANCES CONTROL ACT:
COMPONENTS SUBJECT TO SECTION 4 TESTING/SNUR: None
SECTION 6 INVENTORY: The chemical substances in this product are on the TSCA Section 8 Inventory.
SECTION 12(B) EXPORT REPORTING: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: none

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.
CANADIAN WHMIS CLASS: D2B

COMPONENT RCRA CODES: NONE
CERCLA RQ VALUE (MINIMUM): NONE

RoHS SUBSTANCE(S): None added or known to be present.
ODS/MONTREAL PROTOCOL SUBSTANCE(S): None added or known to be present.

REACH Substance(s) of Very High Concern (SVHC):
None

PRODUCT/TOTAL VOC (CALCULATED): 0 grams/ltr
COATING/REGULATORY VOC (less water and exempt solvents - calculated): __0__ g/l

SECTION 16 - OTHER INFORMATION

NFPA/THIS RATINGS - HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

ABBREVIATIONS:
N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined
ACGIH = American Conference of Governmental Industrial Hygienists
OSHA = US Occupational Health and Safety Administration
TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hrs)
STEL = Short-Term Exposure Limit (15 min)
C = Ceiling Value
PEL = Permissible Exposure Limit
OEL = Occupational Exposure Limit
IDLH = Immediately Dangerous to Life and Health

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. LAPMASTER WOLTERS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the LAPMASTER WOLTERS is fit for a particular purpose and if it is suitable for the method of use or application. Given the variety of factors that can affect the use and application of a LAPMASTER WOLTERS product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the LAPMASTER WOLTERS product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

LAPMASTER WOLTERS provides information in electronic form as a service to our customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, LAPMASTER WOLTERS makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the SDS available directly from LAPMASTER WOLTERS.