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	<b>MATERIAL SAFETY DATA SHEET</b>	
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----- I. PRODUCT IDENTIFICATION -----

TRADE NAME (as labeled): LATAPOXY 310 Stone Adhesive Part B Cartridge

CHEMICAL FAMILY: Epoxy Resin

MANUFACTURER'S NAME: LATICRETE INTERNATIONAL, INC.  
 1 Laticrete Park, N.  
 Bethany, CT 06524-3423 USA

Phone number for additional information: (203) 393-0010

Date prepared or revised: 12/2011 Name of preparer: S.B. Fine

----- II. HAZARDOUS INGREDIENTS -----

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-polymers	25085-99-8	19-27	N/A	N/A	N/A
Reaction Product: Bisphenol F-(epichlorhydrin); epoxy resin	25064-14-4	4-9	N/A	N/A	N/A
Alkyl(C12-14) glycidyl ether	68609-97-2	3-7	N/A	N/A	N/A

**N/A = Not applicable or available**

----- III. HEALTH HAZARD INFORMATION -----

**SYMPTOMS OF OVEREXPOSURE** for each potential route of exposure. (Possible Longer Term Effects) Skin – Prolonged and repeated contact may cause irritation and result in sensitization and allergic reaction.

**SIGNS AND SYMPTOMS OF EXPOSURE** (Acute effects)

Skin Contact – May cause irritation, sensitization and dermatitis.

Inhalation – May cause Irritation or sensitization.

Ingestion – May cause gastrointestinal distress or irritation.

Eyes – Vapor may cause irritation, redness and tearing. Paste may cause severe irritation with possible irreversible injury

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**SUSPECTED CANCER AGENT?**

**NO:** This product's ingredients are not found in the lists below.

YES:  Federal OSHA  NTP  IARC

-----IV. FIRST AID: EMERGENCY PROCEDURES-----

**Eye Contact:** Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin Contact:** Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.

**Inhaled:** Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen, call a physician.

**Swallowed** May cause gastrointestinal distress, irritation ulceration. Drink large quantities of water, consult a physician.

----- V. FIRE AND EXPLOSION -----

Flash Point method): 490°F

Auto ignition temperature, °F: N/A

Flammable limits in air, volume %: Lower (LEL) \_\_\_\_\_ Upper (UEL)

Fire extinguishing materials:

water spray  carbon dioxide  other:  
 foam  dry chemical

**Special fire fighting procedures:** Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Water fog, applied gently may be used as a blanket for fire extinguishment. Contain fire water run-off if possible, Firewater run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this MSDS. Wear positive pressure self-contained breathing apparatus.

**Unusual fire and explosion hazards:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Phenolics. Carbon monoxide. Carbon dioxide.



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## ----- VI. SPILL, LEAK, AND DISPOSAL PROCEDURES -----

Spill response procedures (include employee protection measures): respirators, safety glasses, and long sleeved clothing; avoid the generation of dust. Contain spilled material if possible. Absorb with materials such as: Sand. Polyethylene fiber products. Polypropylene fiber products. Collect in suitable and properly labeled containers. Remove residual with soap and hot water. Residual can be removed with solvent. Solvents are not recommended for clean-up unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed.

Preparing wastes for disposal (container types, neutralization, etc.):

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

## -----VII. Handling and Storage-----

Store in cool dry area.

## ----- VIII. Exposure Controls and Personal Protection -----

Ventilation and engineering controls: Normal ventilation

Respiratory protection (type): Organic chemical cartridge respirator, if TLV exceeded.

Eye protection (type): Safety glasses or goggles

Gloves (specify material): Rubber or polyethylene gloves

Other clothing and equipment: long sleeved clothing

Work practices, hygienic practices: Normal good housekeeping

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: See above.

## ----- IX. PHYSICAL PROPERTIES -----

Vapor density (air=1): N/A

Melting point or range, °F: N/A

Specific gravity: 1.5

Boiling point or range, °F: >200

Solubility in water: Insoluble

Evaporation rate (butyl acetate = 1): N/A

Vapor pressure, mmHg at 20°C: N/A

Appearance and odor: Off white paste

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist):



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## X. REACTIVITY DATA

Stability:     x     Stable      Unstable

Conditions to avoid: N/A

Incompatibility (materials to avoid): Strong oxidizers, acids and epoxy curing agents.

Hazardous decomposition products (including combustion products): (from burning, heating, or reaction with other materials). Combustion products may include and are not limited to: Phenolics. Carbon monoxide. Carbon dioxide.

Hazardous polymerization:      May occur     x     Will not occur

Conditions to avoid: N/A

## XI. Toxicology Information

Acute Dermal Toxicity (LD50, Rabbit) >2,000 mg/kg

Single dose oral LD50, Rat > 2,000 mg/kg

## XII. Ecological Information

### Movement & Partitioning

Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5). Potential for mobility in soil is low (Koc between 500 and 2000). Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process.

### ECOTOXICITY

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested). Toxicity to aquatic species occurs at concentrations above material's water solubility.

#### Fish Acute & Prolonged Toxicity

LC50, fathead minnow (*Pimephales promelas*), static, 96 h: 3.1 mg/l

#### Aquatic Invertebrate Acute Toxicity

EC50, water flea *Daphnia magna*, static, 48 h, immobilization: 1.4 - 1.7 mg/l

NOEC, water flea *Daphnia magna*, static renewal, 21 d, survival: 0.3 mg/l

#### Aquatic Plant Toxicity

ErC50, *Scenedesmus capricornutum* (fresh water algae), static, Growth rate inhibition, 72 h: >11 mg/l

#### Toxicity to Micro-organisms

IC50: bacteria. 18 h: > 42.6 mg/l

## XIII. Disposal Information

Dispose in compliance with local, state, and federal regulations.

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-----XIV. Transport Information-----

Proper Shipping Name: Environmentally Hazardous Substance Solid, n.o.s. - Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers and Bisphenol F-(epichlorhydrin); epoxy resin) 9 UN3077 PG III  
 EMS Number: F-A,S-F  
 Marine pollutant.: Yes

For DOT Non Bulk the Marine Pollutant and Class 9 label is not required on a combination packaging for solids, inner packagings not over 5.0 kgs (11 lbs) net capacity each in strong outer packaging. If the package exceeds 5.0 kg (11 lbs), the Marine Pollutant and Class 9 Label must be applied along with the Proper Shipping Name and UN number.

For IMDG non-bulk the Marine Pollutant and Class 9 label is not required on a combination packaging for solids, inner packagings not over 5.0 kgs (11 lbs) net capacity each in strong outer packaging and the Limited Quantity Diamond Label must be applied. . If the package exceeds 5 kg (11 lbs), the Marine Pollutant and Class 9 Label must be applied along with the Proper Shipping Name but no Limited Quantity Diamond Label and UN number.

ICAO/IATA REGULATED Do not ship by air

-----XV. Regulatory Information-----

All ingredients are listed on the U.S. EPA TSCA inventory of chemical substances.  
 Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312  
 Immediate (Acute) Health Hazard Yes  
 Delaved (Chronic) Health Hazard No  
 Fire hazard No  
 Reactive Hazard No  
 Sudden Release of Pressure Hazard No

W.H.M.I.S. Code: D.2

-----XVI Other Information-----

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.