

MATERIAL SAFETY DATA SHEET

----- I. PRODUCT IDENTIFICATION -----

TRADE NAME (as labeled): **L-300 Rapid - Part A: Super Epoxy 2000 Part A, 2000LT Part A, 2001 Part A**

CHEMICAL FAMILY: Amido-amine, aliphatic amine, Cycloaliphaticamine

Reviewed & Approved By:
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MANUFACTURERS NAME: Laticrete International, Inc.
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Date prepared or revised: 01/11/00 Name of preparer: R. Rooshenas

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

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER (SPECIFY)
TOFA Reaction Products with TEPA	68953-36-6	60-70	N/A	N/A	N/A
Tetraethylenepentamine	112-57-2	10-14	N/A	N/A	N/A
N-aminoethylpiperazine	140-31-5	3-5	N/A	N/A	N/A
*Diethylene Triamine (DETA)	000111-40-0	5-8	N/A	N/A	ACGIH TWA PPM1**
X,*Bisphenol A	000080-05-7	5-8	N/A	N/A	N/A

*PA1-Pennsylvania Hazardous Substances List PA2-Pennsylvania Special Hazardous Substances List MA1-Massachusetts Hazardous Substances List, MA2-Massachusetts Extraordinary Hazardous Substance List NJ1-New Jersey Workplace hazardous substances List.

NJ2-New Jersey Special Health Hazards List CN-Canadian Ingredient Disclosure List NL-Not listed, Concentration Based Disclosure

Xthis product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community right-to-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDS's that are copies and distributed for this material. SARA Section 311 and 312 hazard classification(s) for this product are listed below: Immediate (acute) health hazard; Delayed (chronic) health hazard
 W.H.M.I.S. Code E

N/A = Not applicable or available

----- III. PHYSICAL PROPERTIES -----

Vapor density (air=1): 3.56 Melting point or range, °F: N/A
 Specific gravity: 0.96 Boiling point or range, °F: 390°F
 Solubility in water: Partially soluble Evaporation rate (butyl acetate = 1): >1

Vapor pressure, mmHg at 20°C: Less than 1mm Hg @ 20°C, 68°F

Appearance and odor: Amber colored liquid with amine odor

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

 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.

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----- IV. FIRE AND EXPLOSION -----

Flash Point, °F (give method): > 200° F

Auto ignition temperature, °F: N/A

Flammable limits in air, volume %: N/A Lower (LEL) _____ Upper (UEL)

Fire extinguishing materials:

water spray
 foam

carbon dioxide
 dry chemical

_____ other:

Special fire fighting procedures: NFPA class II of HMIS class I rating. Wear full protective gear and NIOSH/MSHA approved self-contained breathing apparatus.

Unusual fire and explosion hazards: Solid stream of water or foam may cause frothing and splattering and spread hazard.

----- V. HEALTH HAZARD INFORMATION -----

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Vapors may irritate eyes, nose and throat.

Contact with skin or eyes: Causes severe irritation and pain and may cause burns necrosis, and permanent injury. Burns of the eye may cause blindness. Contact with skin quickly causes severe irritation and pain and may cause burns necrosis, and permanent injury (corrosive).

Absorbed through skin: A single prolonged exposure is unlikely to result in the material being absorbed in harmful amounts. The LD 50 for skin absorption in rabbits is 12996 mg/kg.

Swallowed: A single dose oral toxicity is low. The oral LD 50 for rats is 21919 mg/kg. Ingestion may cause gastrointestinal irritation, ulceration; mouth and throat burns.

HEALTH EFFECTS OR RISKS FROM EXPOSURE. Explain in lay terms. Attach extra page if more space is needed:

Acute: N/A

Chronic: On repeated over exposure could cause kidney and liver damage.

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Immediate and continuous irrigation with flowing water for at least 30 minutes is imperative. Prompt medical consultation is essential.

Skin Contact: Immediately flush skin with plenty of water for a least 15 minutes while removing contaminated clothing or shoes. Call a physician if irritation persists. Wash clothing before reuse. See medical attention immediately.

Inhaled: If inhaled, remove to fresh air. If breathing has stopped administer artificial respiration and seek medical attention.

Swallowed: Do not induce vomiting. Give large amounts of water or milk if available. Transport to a medical facility.

SUSPECTED CANCER AGENT?

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

YES: _____ Federal OSHA _____ NTP _____ IARC

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/A

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----- VI. REACTIVITY DATA -----

Stability: X Stable Unstable

Conditions to avoid: Can auto ignite in air at approximately 676 degrees F, 358 degrees C.

Incompatibility (materials to avoid): Avoid acids oxidizing agents, halogenated organic compounds.

Hazardous decomposition products (including combustion products): Carbon monoxide, carbon dioxide, oxides of nitrogen.

Hazardous polymerization: May occur X Will not occur

Conditions to avoid: Epoxy resins or isocyanates can cause polymerization.

----- VII. SPILL, LEAK, AND DISPOSAL PROCEDURES -----

Spill response procedures (include employee protection measures): Dam and absorb spill with absorbent materials, minimize breathing vapors. Increase ventilation. Wear impervious gloves.

Preparing wastes for disposal (container types, neutralization, etc.): Absorb spill on sand, earth, or vermiculite. Carefully collect into closed containers for disposal. Wash spill area with 5% acetic acid then flush with water. Do not sewer.

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

----- VIII. SPECIAL HANDLING INFORMATION -----

Ventilation and engineering controls: General ventilation should be adequate.

Respiratory protection (type): In confined areas, a NIOSH approved organic vapor canister type respirator should be worn.

Eye protection (type): Chemical splash proof goggles.

Gloves (specify material): Rubber or polyethylene gloves.

Other clothing and equipment: Long sleeved shirt and long trousers.

Work practices, hygienic practices: N/A

Other handling and storage requirements: N/A

Protective measures during maintenance of contaminated equipment: Contaminated equipment and containers retains product residue and vapors. Observe above precautions.

SHIPPING DATA:

DOT NON-BULK SHIPPING NAME: Amines, liquid, corrosive, n.o.s. (Tetraethylenepentamine / N-Aminoethylpiperazine) // 8 // UN2735 // PG III

For material in inner packagings not over 4 liter (1 gallon) can be classified Consumer Commodity ORM-D.

IMO SHIPPING DATA: Amines, liquid, corrosive, n.o.s. (Tetraethylenepentamine / N-Aminoethylpiperazine) // 8 // UN2735 // III // IMDG Page 8109-2 // F.P. 104 C // Placarded Corrosive // HazMat STCC =4935601 // EmS No: 8-05 // MFAG No: 320

ICAO/IATA SHIPPING DATA: Amines, liquid, corrosive, n.o.s. (Tetraethylenepentamine / N-Aminoethylpiperazine) // 8 // UN2735 // III // F.P. 104 C // Shipment per 49 CFR 171.11

