



**Globally Proven
Construction Solutions**

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): LATAPOXY® 300 Adhesive Part A

CHEMICAL FAMILY: Amine epoxy curing agent

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd
38 Sungei Kadut,
Street 2 (Level2 A3),
Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 19/07/2017

2. HAZARDOUS INGREDIENTS

| CHEMICAL NAMES | CAS NUMBERS | PERCENT | ACGIH TLV | OSHA PEL | OTHER (SPECIFY) |
|--|-------------|---------|--------------|----------|--------------------|
| Tetraethylene pentamine reaction products with tall oil fatty acids | 68953-36-6 | 70-75 | N/A | N/A | |
| Tetraethylene pentamine | 112-57-2 | 8-10 | N/A | N/A | |
| 2-Piperazin-1- ylethylamine | 140-31-8 | 3-5 | N/A | N/A | |
| 2,4,6-Tris- (dimethylaminomethyl)- phenol | 90-72-2 | 1-3 | N/A | N/A | |

N/A = Not applicable or available

3. HEALTH HAZARD INFORMATION

Information on likely routes of exposure

Ingestion: May cause burns of the gastrointestinal tract if swallowed.



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Inhalation: May cause respiratory irritation.

Skin contact: Causes skin burns. May cause an allergic skin reaction.

Eye contact: Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics: Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

4. FIRST AID: EMERGENCY PROCEDURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Skin contact: Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.

Most important symptoms/effects, acute and delayed: Rash. Corrosive effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

General information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂).



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Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Heating may cause the release of ammonia vapors.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

General fire hazards: No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions: Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases.



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7. HANDLING AND STORAGE

Keep container tightly closed. Store in a cool and well-ventilated place. Store away from incompatible materials (See Section 10).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed.

Skin protection

Hand protection: Wear appropriate chemical resistant gloves.

Other: Wear appropriate chemical resistant clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid.

Physical state: Liquid.

Form: Liquid.

Color: Amber.



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Odor: Ammonia.

Flash point: Non flammable

Relative density: 0.99

Solubility (water): Insoluble

10. STABILITY AND REACTIVITY

Stability : x Stable _____ Unstable

Conditions to avoid : Heat, flames and sparks. Contact with incompatible materials.

Incompatibility (materials to avoid) : Alkaline metals. Oxidizing agents. Strong acids.

Hazardous decomposition products (including combustion products): (from burning, heating, or reaction with other materials). Carbon monoxide, carbon dioxide, Nitrogen oxides.

11. TOXICOLOGY INFORMATION

| <u>Components</u> | <u>Species</u> | <u>Test Result</u> |
|--|----------------|--------------------|
| 2-Piperazin-1-ylethylamine (CAS 140-31-8) | | |
| Acute | | |
| Dermal LD50 | Rabbit | 880 mg/kg |
| Fatty acids, tall-oil, reaction products with tetraethylenepentamine (CAS 68953-36-6) | | |
| Acute | | |
| Dermal LD50 | Rabbit | >2000mg/kg |



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Tetraethylene pentamine
(CAS 112-57-2)

Acute

Dermal

LD50 Rabbit 0.66g/kg

Oral

LD50 Rat 2.1g/kg

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization: No data available.

Skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Specific target organ toxicity -single exposure: May cause respiratory irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

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



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14. TRANSPORT INFORMATION

DOT

UN number: UN2735

UN proper shipping name Transport hazard class(es): Amines, liquid, corrosive, n.o.s. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)

Class: 8

Subsidiary risk: -

Packing group: III

Environmental hazards

Marine pollutant: No

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Special provisions: IB3, T7, TP1, TP28

Packaging exceptions: 154

Packaging non bulk: 203

Packaging bulk: 241

IATA

UN number: UN2735

UN proper shipping name Transport hazard class(es): Amines, liquid, corrosive, n.o.s. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)

Class: 8

Subsidiary risk: -

Label(s): 8

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Environmental hazards: No

ERG Code: 8L

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number: UN2735

UN proper shipping name Transport hazard class(es): AMINES, LIQUID, CORROSIVE, N.O.S. (Tetraethylene pentamine, 2-Piperazin-1-ylethylamine)

Class: 8

Subsidiary risk: -

Label(s): 8

Packing group: III

Environmental Marine pollutant: No hazards

EmS: F-A, S-B

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: This substance/mixture is not intended to be transported in bulk.

Further information: IATA classification is not relevant as the material is not transported by air.



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15. REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard – Yes

Delayed Hazard – Yes

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 311/312 Hazardous chemical- Yes

16. REGULATORY 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.