MATERIAL SAFETY DATA SHEET

Reviewed & Approved by,
Dr. P. Arjunan, Vice President – R&D

1. PRODUCT IDENTIFICATION

TRADE NAME : **LATAPOXY ® 270 Epoxy Adhesive - Part A**

MANUFACTURER'S NAME : MYK LATICRETE INDIA PVT. LTD.
Plot No. 30/C (Sy.No. 83/1), Orbit Building, 17th Floor, Tower 1,
Knowledge City, TSIIC, Raidurg, Ranga Reddy Dist.,
Hyderabad - 500 081, Telangana, India. (T.S) Tel: +91-40-6817 3100

2. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBERS	PERCENT	ACGIH TLV	OSHA PEL	OTHER(SPECIFY)
TEPA	112-57-2	<14	N/A	N/A	N/A
AEP	140-31-8	<5	N/A	N/A	N/A
TOFA	68953-36-6	<78	N/A	N/A	N/A
Reaction Product with TEPA Tertiaryamine	_____	0-3	N/A	N/A	N/A
Talc	14807-96-6	<50	2 mg/m^3	2 mg/m^3	N/A

N/A = Not applicable or available

3. HEALTH HAZARD INFORMATION

Symptoms of overexposure for each potential route of exposure (Possible Longer Term Effects): Repeated and/or prolonged exposure may cause allergic reaction/sensitization. Repeated and/or Prolonged exposures may result in: adverse respiratory effects (such as cough, tightness of chest or shortness Of breath); adverse skin effects (such as defatting rash, or irritation); adverse eye effects (such as conjunctivitis or corneal damage).Headache

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled : Inhalation of vapours may cause irritation in the respiratory tract. Coughing and chest pain may result. Product vapour in low concentrations can cause lacrimation, conjunctivitis and corneal edema when absorbed into the tissue of the eye from the atmosphere. Corneal edema may give rise to a perception of blue haze or fog around lights. The effect is transient and has to known residual effect

Contact with skin or eyes : Contact of undiluted product with eyes quickly causes server irritation and pain and may cause burns, necrosis and permanent injury. Burns of the eyes may cause blindness. Contact of undiluted product with skin quickly causes severe irritation and pain and may cause burns, Necrosis and permanent injury.

Absorbed through skin : N/A

Swallowed : Not likely to occur in typical industrial environments however ingestion of this material may be harmful or fatal.

Suspected cancer agent : NO

This product's ingredients are not found in the lists below.
Federal OSHA : NO NTP: NO IARC: YES

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma, Chronic respiratory disease (e.g. Bronchitis, Emphysema). Skin disorders and allergies.

4. FIRST AID: EMERGENCY PROCEDURES

Eye Contact : Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician

Skin Contact : Remove product and immediately flush affected area with water for at least 15 minutes. Call a physician. Except in the most minor, superficial and localized burns, cover the affected area with a Sterile dressing or clean sheeting and transport for medical care. do not apply greases or ointments. Control shock, if present. Launder contaminated clothing prior to reuse. Contaminated Leather wear should be discarded. Victims of a major skin area contact should remain under medical Observation for at least 24 hours due to possible delayed effects.

Inhaled : If breathing has stopped or labored give assisted respiration (eg. mouth to mouth). Supplemental oxygen may be indicated. Prevent aspiration of vomit. Turn victim's head to the side. Assure mucus does not obstruct airway. Call a physician.

Swallowed : In the event of ingestion, administer 3-4- glasses of milk or water. DO NOT INDUCE VOMITING. Obtain medical care and hospital treatment immediately. Note to physicians: This product is highly injurious to all tissues. similar to that of ammonia or ammonia gas. Chemical pneumonitis, pulmonary edema , laryngeal edema and delayed scarring of the Airways or other affected tissues may occur following exposure. There is no specific treatment. Clinical management is based on supportive treatment, which is similar to that for thermal burns.

5. FIRE AND EXPLOSION

Flash Point , °F : >200 ,Method used = PMCC

Auto ignition temperature, °F : N/A

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

Fire extinguishing materials :

Water spray : √ Carbon dioxide : √ other: N/A

Foam : √ Dry chemical : √

Special fire fighting procedures : Retain expended liquids from fire fighting for later disposal. Firefighters should wear butyl rubber boots, gloves, and body suit and a self– contained breathing apparatus. Water spray is also useful in cooling fire-exposed tanks and in dispersing vapors.
Unusual fire and explosion hazards : N/A

6. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): Comply with all Federal, State and Local Regulations to remove nitrogen oxides, to remove carbon monoxide. Dispose of in an approved landfill if allowed locally.

Preparing wastes for disposal (container types, neutralization , etc.): See Above.
NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Store in cool dry area

8. EXPOSURES CONTROL AND PERSONAL PROTECTION

Ventilation and engineering controls : Adequate general and local exhaust

Respiratory protection (type) : In poorly ventilated areas, a cartridge mask, National Institute for Occupational Safety and Health(NIOSH)approved for organic vapours is recommended.

Eye protection (type) : Chemical safety glasses, Splash-proof eye goggles. In emergency situations, use eye goggles with a full face shield

Gloves (specify material) : Nitrile rubber gloves. In emergency situations, wear gloves with cuffs to prevent spread of material to area above the wrists.

Other clothing and equipment : Slicker Suite, Rubber Boots.

Work practices, hygienic practices : Wash at the end of each work shift and before eating, smoking or using the toilet. Launder or discard contaminated clothing. Discard contaminated leather articles. Examine protective gloves before using. Discard if find evidence of holes or cracks.
Other handling and storage requirements: N/A
Protective measures during maintenance of contaminated equipment: See above.

9. PHYSICAL PROPERTIES

Vapor density (air=1) : N/A Melting point or range, °F : N/A

Specific gravity@25 ^{0}C : 1.56 Boiling point or range, °F : N/A

Solubility in water : Negligible to slightly soluble

Evaporation rate (butyl acetate = 1): N/A Vapor pressure, mmHg at 20°C : N/A

Appearance and odor : White to light grey thick paste.

HOW TO DETECT THIS SUBSTANCE (Warning properties of substance as a gas, vapor, dust, or mist): N/A

10. REACTIVITY DATA

Stability : Stable

Incompatibility (materials to avoid) : Oxidizing Agents (i.e., perchlorates, nitrates etc.,).Cleaning Solutions, such as chromerge (sulfuric acid/dichromate) and aqua regia.a reaction accompanied by large heat release occurs when the product is mixed with acids

Hazardous decomposition products (Including combustion products): (from burning, heating, or reaction with other materials) : N/A

Hazardous polymerization : Will not occur

11. TOXICOLOGY INFORMATION

Acute toxicity:
Primary irritant effect:
On the skin: Irritant to skin and mucous membranes.
On the eye: Irritating effect.
Sensitization: Sensitization possible through skin contact.

12. ECOLOGICAL INFORMATION

General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL INFORMATION

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Land transport (*USDOT)*
Proper shipping name: Amines, liquid, corrosive, n.o.s.(Tetraethylenepentamine);. Hazard class: 8, ID number: UN 2735, Packing group: III
Sea transport *(IMDG)*
Proper shipping name: Amines, liquid, corrosive, n.o.s.(Tetraethylenepentamine);. Hazard class: 8, ID number: UN 2735, Packing group: III

Air transport (*IATA/ICAO)*
Proper shipping name: Amines, liquid, corrosive, n.o.s.(Tetraethylenepentamine);. Hazard class: 8, ID number: UN 2735, Packing group: III

15. REGULATORY INFORMATION

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class (es) Corrosive.

EPA SARA Title 111 Section 312(40CFR370) hazard class Immediate Health Hazard.

EPA SARA Title 111 Section 312(40CFR370) toxic chemicals above “deminimls” levels Are none

16. OTHER INFOMATION

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