

**MATERIAL SAFETY DATA SHEET**

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

1. IDENTIFICATION OF THE PRODUCT AND NAME OF THE COMPANY/UNDERTAKING

TRADE NAME : **MYK LATICRETE SP-100™ DUO Part A Hardener Component**

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

Recommended use of the chemical and restrictions on use

Recommended use : Epoxy Grout for Tile/Stone joints
Restrictions on use : NA

2. HAZARDOUS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity, 4, H302
Acute toxicity, 4, H312
Skin corrosion, 1B, H314
Skin sensitization, 1, H317
Chronic aquatic toxicity, 3, H4122.2

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification (67/548/EEC, 1999/45/EC)

Corrosive, C, R34
Sensitizing, Xi, R43
Dangerous for the environment, R52/53
Harmful, Xn, R21/22

For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

Pictogram



Signal word

Less Severe Hazard

Hazard statement(s)

H302 + H312

Harmful if swallowed or in contact with skin

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing vapor/ spray.

P270 Do not eat, drink, or smoke when using this product
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container to an approved waste disposal plant in accordance with local, regional, national, and international regulations.

Supplemental Hazard Statement(s)

P264 Wash contaminated skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.

2.3 Other hazards

No further data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Ingredients

Chemical Name	CAS-No.	Concentration (%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty acids, tall-oil, reaction products with triethylenetetramine	1226892-44-9	60-100%	Skin Corr. 1C, H314. Aquatic Acute 1, H400. Aquatic Chronic 1, H410. Skin Sens. 1, H317
Triethylenetetramine	112-24-3	< 1 %	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Chronic 3; H412

4. FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

If swallowed: Do not induce vomiting. If the material is swallowed, get medical attention or advice.

In case of skin contact: If irritation is experienced, flush with water. If irritation persists, get medical attention.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media Do NOT use High Volume water jet.

5.2 Special hazards arising from the substance or mixture:

Specific hazards during firefighting / Specific hazards arising from the chemical Do not allow run-off from fire fighting to enter drains or water courses.

Combustion products Carbon oxides
nitrogen oxides (NOx)

5.3 Advice for firefighters

Protective equipment Mouth respiratory protective device.
Wear self-contained respiratory protective device
Do not enter fire area without proper protective equipment, including respiratory protection

5.4 Specific extinguishing methods:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Remove undamaged containers from fire area if it is safe to do so.

Avoid breathing fire gases or vapors.

Evacuate area.

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Cool containers exposed to flames with water until well after the fire is out.

Avoid discharge to the aquatic environment.

Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

5.5 Fire Fighting Equipment/Instructions:

In the event of fire, use personal protective equipment, protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and wear self-contained breathing apparatus.

5.6 NFPA Rating: Health:3 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

5.7 Further information:

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures:

No action shall be taken without appropriate training or involving any personal risk.

Keep unnecessary and unprotected personnel away from the spillage.

Wear protective clothing as described in Section 8 of this safety data sheet.

Follow precautions for safe handling described in this safety data sheet.

Wash thoroughly after dealing with a spillage.

Ensure procedures and training for emergency decontamination and disposal are in place.

Do not touch or walk into spilled material without PPEs.

Avoid contact with skin and eyes.

6.2 Environmental precautions:

Avoid discharge into drains or watercourses or onto the ground.

Avoid discharge to the aquatic environment.

Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3 Methods and materials for containment:

Wear protective clothing as described in Section 8 of this safety data sheet.

Clear up spills immediately and dispose of waste safely.

Approach the spillage from upwind.

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

Clean the affected area carefully.

6.4 Methods and materials for cleaning up:

If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container.

If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant or proceed as follows.

The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water.

Wash thoroughly after dealing with a spillage.

6.5 Further Information:

Dangerous for the environment. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling

: Comply with the legal requirements. Keep receptacles tightly sealed. Remove contaminated clothing immediately. Clean contaminated clothing. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Use spark-/explosion proof appliances and lighting system. Observe normal hygiene standards. Keep container tightly closed. Work under local exhaust/ventilation.

Hygiene measures

: Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink, or smoke when using this product. Wash at the end of each work shift and before eating, smoking, and using the toilet. Change work clothing daily before leaving workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place away from incompatible materials.

Conditions for safe storage, including any incompatibilities

: Miscellaneous hazardous material storage.

Store in accordance with local regulations.

Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up.

Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination.

See Section 10 for incompatible materials before handling or use.

Local/Total ventilation

: Use with local exhaust ventilation.

Special rules on packaging

: SPECIAL REQUIREMENTS: closing. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packaging in solid containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

There is no exposure data pertaining to the Product.

8.3 Exposure Controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal protective equipment : Safety glasses. Gloves. Protective clothing.

Materials for protective clothing : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eye/face protection : Tight Sealed Goggles and Face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection : Protective clothing.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: organic vapor (Type AX) and particulate filter

Other information : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

8.4 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Viscous Liquid
Color	: Clear, Brownish
Odor	: Amine
Odor Threshold	: No data available
pH	: 8 to 9
Melting point/freezing point	: Undetermined
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Specific Gravity (20 °C)	: 0.960
Viscosity	: 700 cps
Water solubility	: Insoluble
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: The mixture is not classified as oxidizing.

10. STABILITY AND REACTIVITY

Reactivity	: Stable under normal conditions of use. Reacts with: Incompatible materials
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur
Conditions to avoid	: High temperature. high humidity. Ignition sources. Incompatible materials.
Incompatible materials	: Keep away from oxidizing agents and strongly alkaline and strongly acidic materials.
Hazardous decomposition Products	: Thermal combustion may release carbon monoxide and dioxide. Fume.

11. TOXICOLOGICAL INFORMATION

There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

Information on likely routes of exposure

Product Information

Inhalation	May cause irritation of respiratory tract.
Eye Contact	Irritating to eyes. May cause redness, itching, and pain.
Skin Contact	May cause redness and irritation.
Ingestion	Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No further relevant information available

12.2 Persistence and degradability

No further relevant information available

12.3 Bio accumulative potential

No further relevant information available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

Remarks: Toxic for Fish

12.6 Other adverse effects

Additional ecological information No data available

13. DISPOSAL INFORMATION

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

14. TRANSPORT INFORMATION

14.1 International Regulation

UN proper shipping name

ADR	2735 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylene bis (methylamine), ISOPHORONEDIAMINE), ENVIRONMENTALLY HAZARDOUS SUBSTANCE
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylene bis (methylamine), ISOPHORONEDIAMINE), MARINE POLLUTANT

IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, AMINES,
LIQUID, CORROSIVE, N.O.S. (m-phenylene bis (methylamine)
, ISOPHORONEDIAMINE), MARINE POLLUTANT

Packing group : Miscellaneous dangerous substances and articles

Labels 8

14.1 Transport hazard class(es)

ADR/RID: 8 IMDG: 8 IATA: 8

14.2 Packaging group

ADR/RID: II IMDG: II IATA: II

14.3 Environmental hazards

ADR/RID Symbol: Fish and Tree IMDG: Marine pollutant: Yes IATA Symbol: Fish and Tree

14.4 Special precautions for user

No data available

15. REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

Harmful Chemicals List: Listed

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Full text of R-phrases referred to under sections 2 and 3

R21/22 Harmful in contact with skin and if swallowed.
R34 Causes burns.
R43 May cause sensitization by skin contact.
R52 Harmful to aquatic organisms.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.

Explanations for possible abbreviations mentioned in section 2

PBT: Persistent, bio accumulative and toxic.
vPvB : vPvB: Very persistent and very bio accumulative.
OEL: OEL: Occupational exposure limit.

Further 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