



## MATERIAL SAFETY DATA SHEET

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

### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : SP 100 PART A  
CHEMICAL NAME : Epoxy Grout – Curing Agent

**Manufacturer details** : 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.

Emergency contact number: +91 40 68173100

**Recommended use of the chemical:** Stain free epoxy grout for Interior & covered exterior floor & wall.

### 2. HAZARDOUS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is classified as hazardous according to 1999/45/EC.

Xi; R36/38 Irritating eyes and skin.

R43 May cause sensitization by skin contact.

#### 2.2. Label elements

##### Labeling (67/548/EEC or 1999/45/EC)



Xi - Irritant

#### Hazard statements

36/38 Irritating to eyes and skin

43 May cause sensitization by skin contact.

#### Precautionary statements

24 Avoid contacts with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately.

#### Contains:

Dimer acids, C-18 unsatd fatty acids and aliphatic polyamines

**Special provisions concerning the labeling of certain mixtures**

None

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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Chemical characterization

**Description:** Epoxy Hardener**Hazardous ingredients****Classification according to Directive 67/548/EEC or 1999/45/EC****Information on ingredients:**

<b>EC-no.:</b>	<b>Identification of the hazard</b>	
<b>CAS-No.:</b>	<b>R phrases</b>	<b>% by weight</b>
<b>INDEX no.:</b>	<b>Reach-no.:</b>	
	Reaction product of dimer acid, C-18 unsatd. Fatty acids with triethylenetetramine	100
68082-29-1	Xn; R21 / C; / R43 / R52-53	

Additional information

Full test of R-phrases: see section 16

**4. FIRST AID MEASURES**

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**4.1 Description of First Aid measures****General information:**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

**In case of inhalation:**

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

**In case of skin contact:**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**Following eye contact:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

**In case of ingestion:**

If swallowed, rinse your mouth with water (only if the person is conscious). Consult physician immediately. Keep the victim calm. Do not induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

#### 4.3. Indication of any immediate medical attention and special treatment needed

### 5. FIRE FIGHTING MEASURES

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#### 5.1 Extinguishing media

##### Suitable extinguishing media:

Alcohol resistant foam,  
Carbon dioxide,  
Powder, spray mist, (water)

**Extinguishing media which must not be used for safety reasons:** High power water jet

#### 5.2 Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Dense black smoke occurs during the fire. Inhaling hazardous decomposing products can cause serious health damage.

#### 5.3 Special protective equipment for fire-fighters:

Provide a conveniently located respiratory protective device.

#### Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

### 6. ACCIDENTAL RELEASE MEASURES

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#### 6.1 Personal precautions

Keep away from sources of ignition. Ventilate affected area. Do not inhale vapors. See protective measures under point 7 and 8.

#### 6.2 Environmental precautions

Do not empty into drains or the aquatic environment. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

#### 6.3 Methods for cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

#### 6.4 Reference to other sections

Observe protective provisions (see chapter 7 & 8)



## 7. HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves. Wear protective eye protection. Avoid breathing dust / fume / gas/ mist / vapors / spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

### 7.2 Special handling statements

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes, or clothing. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash it before re-using it.

#### **Further information on storage conditions:**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15° - 40°C. Protect from heat and direct sunlight. Keep the container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorized people. Store carefully closed containers upright to prevent any leaks.

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

### 7.3 Storage

Keep the container tightly closed and dry in a cool, well-ventilated place. Store locked up. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

#### **Occupation exposure limit values**

NA

#### **Additional information**

Stated values are taken from the then applicable German TRGS 900 under the German VCI table for exposure limit values.

TWA (EC): Long term occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

### 8.2 Exposure controls:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Only use breathing apparatus with CE-label including the four-digit identification number.

#### **Occupational exposure controls**

**Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according to GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including foru digit test number.

**Hand protection:**

For prolonged or repeated handling, the following glove material must be used: gloves made from nitril-/neoprene rubber. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended protective gloves brand: DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

**Eye protection:**

Wear closely fitting protective glasses in case of splashes.

**Protective clothing:**

Wear antistatic clothing of natural fibers (.le. cotton) or heat-resistant synthetic fibers.

**Preventive measures:**

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties****Appearance:**

State of matter: Viscous Liquid  
 Color: Pale Yellow  
 Odor: Amine like

Safety relevant basis data	unit	Method	Remark:
Flash point:	> 150°C	DIN 53213	
Ignition temperature (AIT):	NA		
lower explosion limit:	NA		
Upper explosion level:	NA		
Vapor pressure (at 20°C):	NA		
density (at 25 °C):	0.950 g/cm <sup>3</sup>		
Solubility in water (g/l):	Not soluble		
pH (at 20 °C):	n.a.		
Viscosity (at 25 °C):	600 mPas		
Solvent separation test (%):	NA	ADR/RID	
Solid content (%):	100 % by weight		



solvent content: 0% by weight  
organic solvents: 0 % by weight  
Water: 0 % by weight

## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

Stable

### 10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

### 10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

### 10.4 Conditions to avoid:

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

### 10.5 Materials to avoid:

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

### 10.6 Hazardous decomposition products:

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides

## 11. TOXICOLOGICAL INFORMATION

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Likely Routes of Exposure: Skin, Eyes, Oral

### 11.1 Health Hazard Information

**Acute toxicity – Oral:** Not Classified

**Acute toxicity – Dermal:** Not Classified

**Acute toxicity – Inhalation:** Not Classified

**Skin corrosion/ irritation:** Causes skin irritation

**Eye corrosion/ irritation:** Causes eye irritation

**Respiratory sensitization:** Not Classified



**Skin sensitization:** May cause an allergic skin reaction

**Carcinogenicity:** Not Classified

**Germ cell mutagenicity:** Not Classified

**Reproductive toxicity:** Not Classified

**Specific target organ toxicity (single exposure):** Not Classified

**Specific target organ toxicity (repeated exposure):** Not Classified

**Aspiration hazard:** Not Classified

**Acute toxicity Data:**

**Oral – rat – LD (50) > 2000 mg/kg**

**Dermal – rabbit – LD (50) > 2000 mg/kg**

The product toxicity information above as given

## **12. ECOLOGICAL INFORMATION**

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### **12.1 Aquatic Chronic toxicity:**

Toxic to aquatic life

### **12.2 Persistent and degradability**

Not available

### **12.3 Bio accumulative potential**

Not available

### **12.4 Mobility in soils**

Not available

### **12.5 Eco Toxicity**

Not available

## **13. DISPOSAL CONSIDERATIONS**

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### **13.1 Waste treatment methods**

**Appropriate disposal/Product:**

**Recommendation:**

Do not empty into drains or the aquatic environment. This material and its container must be disposed of in a safe way. Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

**Control report for waste code/ waste marking according to EWC:**

080409 - Waste adhesives and sealants containing organic solvents or other dangerous substances

**Packaging:**

**Recommendation:**

Clean containers may be recycled. Vessels not properly emptied are special waste.

**14. TRANSPORT INFORMATION**

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**14.1 UN Number** 3082

**14.2 UN proper shipping name**

Land transport (ADR/RID) Environmentally hazardous substance, Liquid, N.O.S. (Contains FATTYACIDS, C18-UNSATD. DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE)

Sea transport (IMDG) Environmentally hazardous substance, Liquid, N.O.S. (Contains FATTY ACIDS, C18-UNSATD. DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE)

Air transport (ICAO-TI/IATA-DGR) Environmentally hazardous substance, Liquid, N.O.S. (Contains FATTY ACIDS, C18-UNSATD. DIMERS, POLYMERS WITH TALL-OIL FATTY ACIDS AND TRIETHYLENETETRAMINE)

**14.3 Transport hazard class(es)** 9

**14.4 Packing group** III

**14.5 Environment hazards**

Land transport (ADR/RID)

Marine pollutant NA

**14.6 Special precautions for users**

Transport is always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advice on safe handling: see parts 6 – 8

Additional information

Land transport (ADR/RID) -

Tunnel restriction code

Sea transport (IMDG)

Ems-No. -

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Not applicable

**15. REGULATORY INFORMATION**

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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
EU legislation****Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC guideline)**

VOC-value (in g/L) ISO 11890-2: 000.000

VOC-value (in g/L) ASTM D 2369: 000.000

**National regulations****Restrictions of occupation**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant

or

nursing mothers. Observe restrictions to employment for juveniles according to the "juvenile work protection guideline"

(94/33/EC).

Other regulations, restrictions and prohibition regulations

**15.2 Chemical Safety Assessment**

Chemical safety assessments for substances in this preparation were not carried out.

**16. ADDITIONAL INFORMATION**

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