

MATERIAL SAFETY DATA SHEET

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

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier

Trade name or designation of the mixture : **SP100 UNO**
Synonyms : **Tile Joint Grout**

1.2 Relevant identified uses of the substance : Single Component Grout [Tile& Stone Installations]
Or mixture and uses advised against

1.3 Details of the supplier of the safety data sheet

Company Name : **MYK LATICRETE INDIA PVT LTD**
Address : **MYK LATICRETE INDIA PVT. LTD.**
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SECTION 2: HAZARDS IDENTIFICATION




2.1 Classification of the Substance or mixture:

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification apply,

Classification according to Regulation (EC) No 1272/2008 as amended

Hazard summary

Physical hazards :

-  **H315** – Causes skin irritation.
-  **H319** – Causes serious eye irritation
-  **H335** – May cause respiratory irritation.

Health hazards : If the product adheres to skin/eye, irritation may occur when it dries.

Environmental hazards : No particular hazards known.

Main symptoms : Redness, itching and pain.

2.2 Label elements

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Label according to Regulation (EC) No. 1272/2008 as amended

: The product is classified and labeled according to the CLP-regulation.



Hazard pictograms

:

GHS 07

Signal word

: *Warning*

Hazard statements

:

H315 – Causes skin irritation.
 H317 – May cause an allergic skin reaction.
 H319 – Causes serious eye irritation.
 H335 – May cause respiratory irritation.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P264	Wash... thoroughly after handling

Prevention

P301	IF SWALLOWED: Never give anything by mouth to an unconscious person. Rinse mouth with water.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
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.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing.

Response

: P314-Get medical advice/attention if you feel unwell.

Storage

: P 405 – Store locked up.
 P420- Store away from incompatible materials
 For more details Refer point 7.2

Disposal

: Dispose of waste and residues in accordance with local authority requirements. (Refer Section 13).

Supplemental label information

: Nil

2.3 Other Hazards

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None in case of intended use.

Results of the PBT and vPvB assessment

PBT : Inapplicable.

vPvB : Inapplicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Chemical characterization: Mixtures

General

information

Chemical Name	%	CAS No.	EC-No	GHS Notes
Acrylic polymer (water based)	17 - 30	Not hazardous		Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
Quartz Sand	65-85	14808-60-7	238-878-4	STOT RE 2 H373 STOT RE 1 H372 Carc. 1A H350
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) <i>Danger!</i>	0.020-0.040	55965-84-9	911-418-6	Acute Tox. 3 H301 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Skin Corr. 1B H314 Skin Sens. 1A H317 Eye Dam. 1 H318
octamethylcyclotetrasiloxane <i>Warning!</i>	0.010-0.200	556-67-2	209-136-7	Repr. 2 H361f Aquatic Chronic 4 H413 Flam. Liq. 3 H226 Aquatic Chronic 1 H410
Titanium dioxide <i>Warning!</i>	0.200-1.500	13463-67-7	236-675-5	Carc. 2 H351
Ethane-1,2-diol <i>Warning!</i>	0.200-1.000	107-21-1	203-473-3	Acute Tox. 4 H302 STOT RE 2 H373

List of abbreviations and symbol may be used above.

CLP: Regulation No.1272/2008.

Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: FIRST AID MEASURES

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

4.1 Description of first aid measures

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 : Change soaked clothes. Wash affected skin with plenty of water and soap. In case of persistent symptoms consult doctor.



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Eye contact : Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if symptoms Persist.

Ingestion : (If Swallowed) Rinse out mouth and give plenty of water to drink. Do not induce vomiting, Call for medical help immediately.

4.2 Most important symptoms and effects

Both acute and delayed : Symptoms include redness, itching and pain.

4.3 Indication of any immediate medical attention and special treatment needed: NA

SECTION 5: FIREFIGHTING MEASURES

General fire hazards : It is not Combustible/Flammable Material.

5.1 Extinguishing media

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

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

5.2 Special hazards arising from the substance or mixture : During fire, gases hazardous to health may be formed.

5.3 Advice for firefighter's Special protective equipment for firefighters. : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special firefighting procedures : 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

For non-emergency personnel: Avoid dust formation, avoid contact with eyes and skin and ensure supply of fresh air.

For emergency responders : Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

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Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

6.2 Environmental precautions

: Environmental manager must be informed of all major releases

and do not allow entering sewage system, ground water.

6.3 Methods and material for containment and cleaning up:

Large Spills: 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.

6.4 Reference to other sections : Never return spills in original containers for re-use.

For information regarding safe handling see section 7.

For personal protection, see Section 8 of the SDS.

For waste disposal, see Section 13 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling : Do not breathe mist or vapor. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

: Keep the container tightly closed and dry in a cool, well-ventilated place. Do not store together with acids & Oxidizers. Protect from frost.

Please follow manufacturer's instruction according to storage conditions and shelf life.

Storage class

: VCI-Storage Class: 8B-Non-flammable corrosive substances.

7.3 Specific end use(s)

: Keep containers closed when not in use. Protect from freezing and direct exposure to sunlight. Avoid extreme temperatures. Material may develop bacteria odour on long term storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits : No exposure limits noted for ingredient(s).

Biological limit value : No biological exposure limits noted for the ingredient(s).

Derived no-effect level (DNEL) : Data not available.

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Predicted no effect concentrations: Data not available.
(PNECs)

8.2 Exposure controls

Appropriate engineering controls : Provide adequate ventilation and minimize the risk of inhalation of vapors.

General information : Wear chemical protective equipment that is specifically recommended by the manufacturer. Eye wash fountain is recommended. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection : Risk of contact: Wear approved safety glasses with side protection.

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.

Hygiene measures : 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.

Environmental exposure controls : Environmental manager must be informed of all major releases.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: Coloured Paste
Physical State	: Non flowable, viscous paste
Odour	: Slight latex odour
Odour threshold	: Not available
pH	: 7.5-9.5
Melting point/freezing point	: Not applicable
Initial boiling point and boiling range	: > 212 °F (> 100 °C)
Flash point	: Not applicable- water based product
Evaporation rate	: Not available



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Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Data not available
Flammability limit - lower (%)	: Data not available
Flammability limit - upper (%)	: Data not available
Vapour pressure	: Not available
Vapour density	: Data not available
Relative density	: 1.65-1.750
Solubility (ies)	: Not available
Partition coefficient (n-octanol/water)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: 100000-200000 cP
Explosive properties	: The product is not self-igniting
9.2 Other information	: No relevant information available.

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 Chemical stability** : Stable under recommended storage conditions.
- 10.3. Possibility of hazardous Reactions** : No hazardous reactions known.
- 10.4. Conditions to avoid** : Heat, flames and sparks.
- 10.5. Incompatible materials** : Oxidizing agent, Addition of chemicals such as acids or multivalent metal salts, may cause coagulation.
- 10.6. Hazardous decomposition Products** : Carbon dioxide (CO₂). Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation : In high concentrations, vapours may be irritating to the respiratory system.

Skin contact : May cause skin irritation.



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Eye contact : May cause eye irritation. Corneal injury is unlikely

Ingestion : May cause discomfort if swallowed.

Symptoms : Symptoms include redness, itching and pain.

11.1 Information on toxicological effects

Acute toxicity : May cause discomfort if swallowed.

Components	Species	Typical Results
Quartz Sand	LD 50 Oral Rat	> 5000 mg/kg
	LD 50 Dermal Rat	> 5000 mg/kg
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	LD 50 Oral Rat	64 mg/kg
	LD 50 Oral Rabbit	87.12 mg/kg
Titanium dioxide	LD 50 Oral Rat	>10,000 mg/kg
	LD50 Dermal Rabbit	>10,000 mg/kg
	LD50 Rabbit	> 2000 mg/kg

Skin corrosion/irritation : May cause skin irritation on prolonged or repeated contact.

**Serious eye damage/
Eye irritation** : May cause eye irritation on direct contact.

Respiratory Sensitization : No sensitizing effect known.

Skin sensitization : Not classified

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

Carcinogenicity : No data available.

Reproductive toxicity : No data available.

Specific target organ toxicity : No data available.

- Single exposure

Specific target organ toxicity : No data available.

- Repeated exposure

Aspiration hazard : Not Classified.

Chronic effects : No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability : No data is available on the degradability of this product.

12.3 Bioaccumulative potential : No data available for this product.



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Partition coefficient : No further relevant information available.

12.4 Mobility in soil/Mobility in general : The product is slightly soluble in water.

12.5 Results of PBT and vPvB assessment : In applicable.

12.6 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.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Residual waste : Dispose of in accordance with local regulations.

Contaminated packaging recycling : Empty containers should be taken to an approved waste handling site for or disposal.
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

EU waste code : The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions : Dispose in accordance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

DOT : Not regulated as a hazardous material by DOT.

IATA : Not regulated as a dangerous good.

IMDG : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

ADN : Not regulated as a dangerous good

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.

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II

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Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding

Other EU regulations

Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Directive 94/33/EC on the protection of young people at work

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories : Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No

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Reactivity Hazard – No

National regulations : Follow national regulation for work with chemical agents.

15.2 Chemical safety assessment

For this substance a chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

List of abbreviations

DNEL: Derived No-Effect Level.

PNEC: Predicted No-Effect Concentration.

PBT: Persistent, bioaccumulative and toxic.

vPvB: Very Persistent and very Bioaccumulative.

CAS: Chemical abstract Services (division of the American Chemical Society)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

IMDG: international Maritime code for Dangerous Goods.

IATA: International Air Transport Association.

References

HSDB[®] - Hazardous Substances Data Bank

RTECS - Registry of Toxic Effects of Chemical Substances

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R36/38 Irritating to eyes and skin.

H315- Causes skin irritation.

H319 Causes serious eye irritation.

Training information

Follow training instructions when handling this material.

Disclaimer

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