

ShaliGrout EI

Two Component Epoxy Injection Grout for Structural Strengthening



STP Limited

Material Safety Data Sheet

Identification of the substance/preparation and of the company/undertaking

Trade Name	ShaliGrout EI
Intended Use	Epoxy Injection Grout for Structural Strengthening
Company Name	STP Limited 707 Chiranjiv Tower 43 Nehru Place New Delhi 110019 Phone : +91 11 4656 1359 Fax : +91 11 4656 1358
Emergency Information	Phone : +91 81302 98888 Fax : +91 11 4656 1358

[1] Composition / information on ingredients

Component	%	CAS No
Comp A – Bisphenol A resin	60 - 65 %	25068-38-6
Diluent	5 – 8 %	112-35-6
Additives	5 – 8 %	Trade secret
Comp B – Amine hardner	25 – 27 %	112-24-3
Polyamide hardner	1 – 2 %	
Additives		Trade secret

[2] Hazards Identification

Inhalation	May cause irritation to the respiratory tract, with symptoms of Bronchitis.
Ingestion	May cause abdominal cramps, nausea, vomiting, diarrhea
Skin Contact	Slightly irritating
Eye Contact	May cause irritation

[3] First-aid Measures

Inhalation	Allow the victim to rest in a well ventilated area. Seek a medical attention
Ingestion	Do not induce vomiting unless directed to do so by medical

	personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek a medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek a medical attention

[4] Fire-fighting Measures

Extinguishing Media	None, Product will not burn
Special Fire Fighting procedures	None
Unusual Fire & Explosion Hazards	None

[5] Accidental Release Measures / Spills and Leaks

Steps to be taken in case material is released or spilled	Dilute with water and absorb with mop or dry material and place in an appropriate waste disposal container.
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[6] Handling & Storage

Precautions for safe handling	Keep in tightly closed container in cool dry area from all sources of ignition
Other precautions	Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

[7] Exposure Controls / Personal Protection

Engineering controls	Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use
Personal Protective Equipment	PPE is normally essential. Wear Sturdy boots that are impervious to eliminate foot and ankle exposure. Barrier creams should not be used in place of gloves.
Respiratory protection	Avoid mists.
Glove type (AS2161)	Protective gloves

Eye protection	Wear safety glasses, which comply with local standards
Clothing	N/A
Others	Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals

[8] Ventilation

Local Exhaust	Ensure adequate ventilation to comply with OEL.
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[9] Physical & Chemical Properties

Appearance	Comp A – colourless liquid Comp B – Light brown liquid
Odour	distinct odour
pH(in water)	NA
Boiling Point/Boiling range °C	Not applicable
Specific Gravity	Approx.1.08 – 1.12
Vapour pressure(kPa at 20°C)	Not applicable
Melting Point /Freezing point	Not applicable
Water Solubility	insoluble
Flash Point °C	N/A
Lower Explosive limits	N/A
Upper Explosive limits	N/A

[10] Stability & Reactivity

Stability	Stable under normal conditions
Conditions to avoid	Unintentional contact with water
Incompatibility/Materials to avoid	As such it is not compatible with acids, ammonium salts and phosphorous./ Direct sunlight, Strong oxidising agents. Strong acids. Strong alkalis
Hazardous Decomposition Products	Will not spontaneously occur
Hazardous Polymerisation	Will not occur

[11] Toxicological Information

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Oral LD50, rat >5g/kg

Health Effects

On Eyes : May cause transient irritation.

On Skin : Unlikely to cause harm on brief or occasional contact.

By Inhalation: Low volatility makes inhalation unlikely at ambient temperatures.

By Ingestion: Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

Chronic : None known

[12] Ecological Information

Environmental Assessment : When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility : Insoluble in water.

Persistence and Degradability: Expected to be not readily biodegradable.

Bioaccumulative Potential : Not expected to be bio-accumulative.

Ecotoxicity : Expected to be ecotoxic to fish/daphnia/algae

[13] Disposal Consideration

Dispose in accordance with all local and governmental regulations

Unused Product : Dispose of through an authorised waste contractor to a licensed site.

Used/Contaminated Product: As for Unused product.

Packaging : Dispose of bags in an approved landfill or incinerator.

[14] Transport Information

This product is NOT classified as dangerous for transport

UN number	1866
Dangerous goods class	3
Subsidiary risk	R10: Flammable. R20: Harmful by inhalation. R36/38: Irritating to eyes and skin.
EPG card	None Allocated
Shipping name	Resin solution
Packing group	3
Poisons schedule	S6
Hazchem code	3[Y] / 30

[15] Regulatory Information (Risk & Safety Phrases)

Risk Phrase	R36/38 Irritating to Eyes and skin
Safety Phrase	S23 Do not breath gas/fumes/vapour/spray
Poisons Schedule	S 6
Hazard Category	30
Classification	3

[16] Other Health & Safety Information

Recommended uses and restrictions: If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note

The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act, 1974; the control of Substances Hazardous to Health Regulations, 1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.