

Epoxy Grout Material Safety Data Sheet

Sample Name: Epoxy Tile Grout

Date: January 21st, 2026

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Epoxy Tile Grout

1.2 Relevant identified uses of the substance and uses advised against:

1.2.1 Identified uses:

Tile joint filling primarily for beautifying tile gaps, with features such as anti-mildew, stain, resistance, and waterproofing.

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the material safety data sheet:

Supplier (Only representative): Chemical Inspection & Regulation Service Limited

Supplier (Manufacturer): CHANGSHA SENTOL NOVEL MATERIALS CO., LTD

Address: Xincheng Chuangzhi Industrial Park, Longping Hi-Tech Park, Furong District, Changsha, Hunan Province, China

Telephone: +86 177 0731 6755

1.4 Emergency telephone Number:

+86 177 0731 6755 (Only available during Available outside office hours (8:30a.m.-17:30p.m.)

Available outside office hours?

YES

NO

Section 2 Hazards Identification

2.1 Classification of the substance/mixture:

2.1.1 Classification:

The substance is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008

Hazard classes/Hazard categories	Hazard statement
Skin Sens. 1	H317
Aquatic Chronic 3	H412

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Hazard Statement:

H317: May cause an allergic skin reaction

H412: Harmful to aquatic life with long lasting effects

Precautionary statement:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

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 soap and water.

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

P362 + P364: Take off contaminated clothing and wash it before reuse.

P501: Dispose of contents/container in accordance with local regulation.

2.3 Other hazards:

Not applicable.

Section 3 Composition/information on ingredients

Part A	CAS #	Weight (%)
Ethoxyline Resin	25068-38-6	40~50
Benzyl Alcohol	100 -51-6	0~5
Glass Bead	7631-86-9	40~60
Part B	CAS #	Weight (%)
Ethoxyline resin	25068-38-6	0~10
Polyether amine	9016-10-0	10~20
Cyclohexanediamine	2579-20-6	12~25
4,4'-Diaminodicyclohexylmethane	1761-71-3	10~20
Glass Bead	7631-86-9	40~60

Section 4 First aid measures

4.1 Description of first aid measures:

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

4.1.1 In case of inhalation:

Speed away from the scene to fresh air. Keep the environment ventilation.

4.1.2 In case of skin contact:

Flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

4.1.3 In case of eyes contact:

Immediately flush eyes with water or saline irrigation water for at least 5 minutes, and the necessary medical observation.

4.1.4 In case of ingestion:

Wash out mouth, vomiting. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:

May cause an allergic skin reaction.

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

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water-resistant foam, dry powder, carbon dioxide, sand.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: carbon monoxide, carbon dioxide, oxides of nitrogen.

5.3 Advice for firefighters:

Firefighters must wear fire resistant protective equipment. Wear approved respirator and protective gloves.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Eliminate all possible sources of ignition, such as flame, sparks. Evacuees from the area. Avoid breathing the gas and wear that can provide the required air respiratory equipment, respiratory masks can only use in the evacuation. For personal protection see Section 8.

6.1.2 For emergency responders:

Wear an appropriate NIOSH/MSHA approved respirator if vapour is generated.

6.2 Environmental Precautions:

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

6.3 Methods for Containment and Cleaning up:

A small leak: sand or soil to absorb the overflow of the liquid, and then moved to a safe area, pending future disposal.

Large leak: sand or soil to prevent the spread of spilled liquids, such as overflow of liquid into the sewer, there is a potential danger of explosion or toxic; shall immediately notify the relevant authorities (especially Fire Department). Possible overflow of liquid into the tank to prepare for future recycling or treatment, or to dispose of a small amount of overflow to handle the overflow of liquid. See Section 7 for information on safe handling.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Good hygienic practices should be observed. Avoid contact with skin and eyes. Avoid inhalation of vapour or gas. Keep away from sources of ignition. Ensure good ventilation/exhaustion at the workplace.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry well ventilated place. Keep away from ignition sources. Take measures to prevent static electricity.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values:

Workers - Hazard via inhalation route-Systemic effects-Long term exposure-DNEL (Derived No Effect Level): 84 mg/m³

Workers - Hazard via inhalation route-Systemic effects - Acute/short term exposure-DNEL (Derived No Effect Level): 672 mg/m³

Workers - Hazard via dermal route- Systemic effects-Long term exposure-DNEL (Derived No Effect Level): 11.9 mg/kg bw/day

General Population - Hazard via inhalation route- Systemic effects-Long term exposure-DNEL.
(Derived No Effect Level): 14.5 mg/m³

General Population - Hazard via inhalation route- Systemic effects-Acute/short term exposure-
DNEL (Derived No Effect Level): 14.5 mg/m³

General Population - Hazard via dermal route- Systemic effects- Long term exposure- DNEL
(Derived No Effect Level): 4.2 mg/kg bw/day

General Population - Hazard via dermal route- Systemic effects- Acute/short term exposure-
DNEL (Derived No Effect Level): 4.2 mg/kg bw/day

General Population - Hazard via oral route- Systemic effects- Long term exposure- DNEL
(Derived No Effect Level): 4.2 mg/kg bw/day

General Population - Hazard via oral route- Systemic effects- Acute/short term exposure-
DNEL (Derived No Effect Level): 4.2 mg/kg bw/day

PNEC aqua (freshwater): 0 mg/L

PNEC aqua (marine water): 0 mg/L

PNEC STP: 31.1 mg/L

PNEC sediment (freshwater): 0.21 mg/kg sediment dw

PNEC sediment (marine water): 0.02 mg/kg sediment dw

PNEC soil: 0.1 mg/kg soil dw

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

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

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear eye/face protection.

Hand protection: For processes where the opportunity for exposure arises, the use of gloves is stipulated. Suitable materials for safety gloves; EN 374-3: Laminate glove-PE/EVOH/PE; breakthrough time \geq 480 min.

Body protection: Wear suitable protective clothing to prevent skin exposure.

Respiratory protection: At least wear activated carbon utensils, conditions, wear self-absorption filter respirators (half-mask).

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls:

Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical

9.1 Information on basic physical and chemical properties:

General Information	Part A	Part B
Physical State	Semi-fluid liquid	Thixotropic paste
Odor	odorless	odorless
Color	transparent	Different colors
Vapor Pressure	N/A	1mbar(20C°)
Melting Point	--	≈ -40C°
Boiling Point	--	> 200C°
PH Value	--	11
Density	≈ 1.16g/cm ³ (20C°)	≈ 0.97g/cm ³ (20C°)
Flash Point	≈ 252C°, Open up	≈ 158C°, Open up
Autoignition	N/A	≈ 235C°
Solubility in water	Insoluble	Insoluble
Explosion Limits in Air-Upper	N/A	1.9%
Explosion Limits in Air-Lower	N/A	0.4%

Section 10 Stability and reactivity

10.1 Reactivity: The substance is stable under normal storage and handling conditions.

10.2 Chemical stability: Stable at room temperature in closed containers under normal storage and handling conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: Incompatible materials.

10.5 Incompatible materials: Acids, acid chlorides, acid anhydrides, strong oxidizing agents, isocyanates.

10.6 Hazardous decomposition products: In case of fire, the following can be released: carbon monoxide, carbon dioxide, oxides of nitrogen.

Section 11 Toxicological information properties

11.1 Information on toxicological effects:

Acute toxicity:

LD50(Oral, Rat): > 2000 mg/kg bw

LD50(Dermal, Rat): > 2000 mg/kg bw

LC50(Inhalation, Rat): > 4224 mg/m³air, 4h

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: May cause an allergic skin reaction

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Section 12 Ecological information

12.1 Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	66 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	88.6 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 1.319 mg/L	72h	Algae	OECD 201	N/A	N/A

12.2 Persistence and degradability: Not readily biodegradable

12.3 Bioaccumulative potential: BCF=8.28

12.4 Mobility in soil: log Koc : >= 4.2 - <= 5.1

12.5 Results of PBT&vPvB assessment: Not available.

12.6 Other adverse effects: Harmful to aquatic life with long lasting effects.

Section 13 Disposal considerations

13.1 Waste treatment methods: Due to the high risk of contamination recycling/recovery is not recommended. Waste disposal in accordance with regulations (most probably controlled incineration).

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Relevant information regarding authorization:

Relevant information regarding restriction:

Other EU regulations:

Other National regulations:

15.2 Chemical Safety Assessment has been carried out?

Not applicable.

Not applicable.

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Not applicable

YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 3.0 Amended by (EU) 2024/101

16.2 Training instructions:

Not applicable.

16.3 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.