SAFETY DATA SHEET

CeRaPOXY TG

Component A

Two-component solvent-free epoxy tile grout

Product code	2.TG.POXY-A
Version	**2026.10**
Date of issue	01/10/2026
Revision date	Supersedes version 2026.07

Prepared in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and the Vietnam Law on Chemicals No. 69/2025/QH15. This sheet contains the 16 mandatory sections in order.

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE SUPPLIER

1.1 Product identifier

Trade name	CeRaPOXY TG — Component A
Product code	2.TG.POXY-A
Role within the product set	Component A (epoxy base resin, paste, various colours) of the CeRaPOXY TG two-component epoxy tile grout set. / Mix with Component B (amine hardener) in the ratio A : B = 16 : 1 by weight before application. / See the separate SDS for Component B for the hazards of the hardener.
Product type	Two-component solvent-free epoxy tile grout
Product classification	Solvent-free epoxy base resin (component of a type RG epoxy tile grout to EN 13888-1:2022 and ISO 13007-3:2010)
Packaging	5.2kg set (A: 4.9kg · B: 0.3kg)

1.2 Relevant identified uses and uses advised against

Identified use: base resin component of the CeRaPOXY TG epoxy tile grout; to be used only after mixing with Component B in the manufacturer's ratio and according to its instructions, for the joints of ceramic tiles, porcelain tiles, natural stone and mosaic.

Uses advised against: use on its own, without being mixed with Component B, or any application outside the manufacturer's technical instructions.

1.3 Details of the supplier / manufacturer

BUMATECH CO., LTD

HEAD OFFICE
154/1/5 Cong Lo, Tan Son Ward, Ho Chi Minh City

OFFICE
91 Hoang Bat Dat, Tan Son Ward, Ho Chi Minh City

PLANT
820 Ap Chanh, Duc Lap Commune, Tay Ninh Province

TECHNICAL
0979 793 804

SALES
0914 765 778

EMAIL
bumagreen@bumatech.com.vn

WEBSITE
www.bumatech.vn

1.4 Emergency telephone number

Medical emergency — 24/7: **115** (national emergency number). Take this Safety Data Sheet or the product label with you to the medical facility.

BUMATECH Technical Department: 0979 793 804 (office hours) — advice on the product and on response measures.

2 HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture (GHS)

HAZARD CLASS AND CATEGORY	CATEGORY	H CODE
Skin irritation (Skin Irrit.)	Category 2	H315
Skin sensitisation (Skin Sens.)	Category 1A	H317
Hazardous to the aquatic environment — chronic (Aquatic Chronic)	Category 3	H412

2.2 GHS label elements



GHS07
Exclamation mark

SIGNAL WORD
WARNING

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of reach of children.
P261	Avoid breathing vapour / mist.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/clothing and eye/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 applicable regulations.

2.3 Other hazards

- Contains low molecular weight epoxy resin — may cause cross sensitisation to other epoxy compounds. Avoid repeated skin contact.
- Contains quartz sand (crystalline silica) as filler. In paste form it presents no dust hazard; however, grinding or sanding the CURED product can generate respirable silica dust (IARC Group 1) — apply the dust controls in Section 8.
- Mixing with Component B (amine hardener) starts an EXOTHERMIC curing reaction; mix only the quantity that can be used within the permitted working time.
- Based on the available data, the components do not meet the PBT / vPvB criteria.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture — epoxy base resin (paste). Hazardous components within the meaning of GHS:

COMPONENT NAME	CAS / EC NO.	CONCENTRATION	CLASSIFICATION (GHS)
Bisphenol-A epoxy resin, standard liquid grade (bisphenol-A diglycidyl ether — DGEBA; epoxy equivalent weight EEW 184 - 190g/eq)	CAS: 25068-38-6; 1675-54-3 EC: 500-033-5; 216-823-5 Index: 603-073-00-2	2 - 5%	Skin Irrit. 2 (H315); Eye Irrit. 2 (H319); Skin Sens. 1A (H317); Aquatic Chronic 2 (H411)

The remainder consists of quartz sand (crystalline silica, CAS 14808-60-7) as filler and inorganic pigments — see the note on silica in Section 2.3 and the dust controls in Section 8.

4 FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

Skin contact: Immediately remove contaminated clothing. Wash skin at once with soap and plenty of water. If irritation or a rash persists, get medical advice/attention.

Eye contact: Immediately rinse the eye under gently running clean water with the eyelids open for 10 - 15 minutes. Do not rub. Remove contact lenses if present and easy to do. Consult a doctor or ophthalmologist immediately.

Ingestion: Do not induce vomiting. Rinse mouth with water. Get medical advice immediately, showing the SDS and product label.

Inhalation: Move the person to fresh air, keep warm and at rest. If breathing difficulty persists, get medical advice.

4.2 Most important symptoms/effects, acute and delayed

Skin / eye irritation; repeated contact may cause skin sensitisation (allergic dermatitis); inhalation of vapour / mist may cause slight respiratory irritation.

4.3 Indication of immediate medical attention and special treatment

Treat symptomatically. No specific antidote is known. In the event of skin sensitisation, avoid further exposure.

5 FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable media: water (spray), alcohol-resistant foam, CO_2, dry powder.

Unsuitable media: a strong water jet (it may spread the liquid).

5.2 Special hazards arising from the chemical

The product is difficult to ignite. Combustion generates dense smoke; thermal decomposition products may include carbon monoxide (CO), CO_2 and aldehydes / organic compounds.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus (SCBA) and full protective equipment. Collect contaminated fire-extinguishing water separately; do not discharge it into drains or water bodies.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment (Section 8). Avoid skin and eye contact and inhalation of vapour. Move unprotected persons out of the area; ventilate.

6.2 Environmental precautions

Do not allow the product to enter soil, water bodies or drains (harmful to aquatic life). Contain the spill with earth or sand.

6.3 Methods and material for containment and cleaning up

Absorb with inert material (sand, earth, absorbent granules); place in suitable, labelled containers for disposal. If it has already been mixed with Component B, allow it to react and cure, then collect it as solid waste. Retain the contaminated wash water for treatment.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid skin and eye contact and inhalation of vapour / mist. Apply in a well-ventilated area. Mix with Component B in the correct ratio A : B = 16 : 1, stir thoroughly and apply within the permitted working time (pot life ≈ 30 minutes at 35°C). Do not eat or drink while working. See Section 8 for protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool place away from direct sunlight and high temperatures; keep out of reach of children and away from food. Close the packaging tightly after opening.

Shelf life: 12 months in the unopened container (per the Technical Data Sheet).

Incompatible materials: strong oxidisers and strong acids.

7.3 Specific end use(s)

Resin component of a two-component epoxy tile grout (see Section 1 and the product Technical Data Sheet).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters — occupational exposure limits (Vietnam)

Per QCVN 02:2019/BYT (National Technical Regulation on Dust — Permissible Exposure Limit Values of Dust at the Workplace):

AGENT	BASIS	LIMIT VALUE (TWA)
Free crystalline silica dust (generated only when grinding or sanding the cured product)	QCVN 02:2019/BYT	Apply the respirable silica-containing dust limits in Table 2 of the regulation
Liquid components (epoxy resin)	No specific OEL has been set in Vietnam	International DNEL / OEL reference from the supplier (propylene carbonate inhalation DNEL ~ 20mg/m³)

Workplaces where employees are exposed to dust must carry out periodic workplace air monitoring at least once a year, per QCVN 02:2019/BYT and the Law on Occupational Safety and Health.

8.2 Individual protection measures (PPE)

Eye protection: Close-fitting chemical splash goggles (EN 166); do not use contact lenses.

Hand protection: Chemical-resistant gloves per EN ISO 374 — nitrile rubber (NBR) ≥ 0.35mm; neoprene (CR) ≥ 0.5mm; butyl rubber (IIR) ≥ 0.5mm; fluoro rubber (FKM) ≥ 0.4mm; breakthrough time ≥ 480 minutes.

Respiratory protection: Where ventilation is inadequate, use a respirator with ABEK-P2 / P3 filters (EN 14387). When grinding or sanding the cured product: a P2 / P3 dust mask (EN 149).

Skin / body protection: Close-fitting impermeable protective clothing (coated cotton, rubber, PVC or Viton).

Engineering controls: Adequate ventilation; local extraction at the dust source when grinding or sanding.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Viscous liquid (paste)
Colour	Various colours (per the colour chart)
Odour	Characteristic
Odour threshold	No data available
pH	Not relevant (contains no water)
Melting/freezing point	Not applicable
Boiling point	Not applicable
Flash point	Not applicable (> 100°C)
Flammability	Not applicable
Vapour pressure	≈ 0.01 mmHg
Density	≈ 1.80g/cm³
Solubility in water	Insoluble
Partition coefficient n-octanol/water	No data available
Decomposition temperature	No data available
Viscosity	≈ 2,000,000 cPs (paste)
VOC content	≈ 0g/l (solvent-free)

10 STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions. Mixing with Component B (amine) starts an exothermic curing reaction — this is the intended reaction.
10.2 Chemical stability	Stable when stored correctly in closed packaging away from heat.
10.3 Possibility of hazardous reactions	None under normal conditions of use.
10.4 Conditions to avoid	Elevated temperatures, heat and ignition sources.
10.5 Incompatible materials	Strong acids and strong oxidisers.
10.6 Hazardous decomposition products	None under normal conditions; on combustion, CO, CO_2 and aldehydes are formed.

11 TOXICOLOGICAL INFORMATION

Component toxicity data: phenol-novolac epoxy resin LD50 (oral, rat) > 5000mg/kg, (dermal) > 2000mg/kg; propylene carbonate LD50 (oral) > 5000mg/kg, (dermal) > 2000mg/kg.

ROUTE OF EFFECT	CLASSIFICATION RESULT
a) Acute toxicity	Not classified (LD50 of the main components > 2000mg/kg)
b) Skin corrosion/irritation	Classified: Skin irritation, Category 2 (H315)
c) Serious eye damage/irritation	Not classified
d) Respiratory/skin sensitisation	Classified: Skin sensitisation, Category 1A (H317)
e) Germ cell mutagenicity	Not classified
f) Carcinogenicity	Not classified (note the silica dust generated when grinding the cured product — see Section 2.3)
g) Reproductive toxicity	Not classified (contains a HALS stabiliser classified Repr. 2 at low concentration)
h) STOT — single exposure	Not classified
i) STOT — repeated exposure	Not classified
j) Aspiration hazard	Not classified

12 ECOLOGICAL INFORMATION

Classification	Aquatic Acute 3 (H402); Aquatic Chronic 3 (H412) — harmful to aquatic life.
Component data	phenol-novolac epoxy resin LC50 fish 5.7mg/L (96h), EC50 crustacea (daphnia) 2.55mg/L (48h), EC50 algae 1.8mg/L (72h); BADGE LC50 fish 2mg/L (96h), EC50 daphnia 1.8mg/L (48h).
Persistence and degradability	limited data available; the HALS stabiliser is not readily biodegradable.
Bioaccumulative potential / mobility in soil	no complete data available.
Other adverse effects	prevent the product from entering the environment, and in particular water bodies.

13 DISPOSAL CONSIDERATIONS

- Minimise waste. Allow the product to cure completely (mixed with Component B), then dispose of it as inert solid construction waste.
- Unused product: handle in accordance with the waste regulations; preferably hand it to a licensed waste contractor.
- Do not discharge the product or wash water into drains, canals or water bodies.
- Packaging: handle in accordance with local / national regulations; empty pails may still contain residues — do not reuse for other purposes.

14 TRANSPORT INFORMATION

Not classified as dangerous goods under transport regulations (ADR/RID for road and rail, IMDG for sea, IATA for air) or under domestic dangerous-goods transport regulations (Decree 161/2024/NĐ-CP).

UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Packing group	Not applicable
Marine pollutant	None

15 REGULATORY INFORMATION

Vietnam

- Law on Chemicals No. 69/2025/QH15 (effective from 01/01/2026).
- Decree 24/2026/NĐ-CP, Decree 25/2026/NĐ-CP and Decree 26/2026/NĐ-CP.
- Circular 01/2026/TT-BCT and Circular 02/2026/TT-BCT of the Ministry of Industry and Trade.
- QCVN 02:2019/BYT — permissible dust exposure limits at the workplace.
- Decree 161/2024/NĐ-CP — transport of dangerous goods.
- Law on Occupational Safety and Health; applicable goods-labelling regulations.
- Classification and labelling per the Globally Harmonized System (GHS).

International

- United Nations GHS (current edition — 11th Revised Edition, 2025).
- Reference product standards: EN 13888-1:2022 and ISO 13007-3:2010 (epoxy tile grouts, type RG).

Chemical safety assessment: not mandatory for this mixture.

16 OTHER INFORMATION

Full text of the hazard (H) statements appearing in this SDS

H303	May be harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Explanation of hazard classifications

GHS SECTION	CLASSIFICATION CODE	MEANING
3.1/5	Acute Tox. 5	Acute toxicity, Category 5
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1	Skin Sens. 1 (1A)	Skin sensitisation, Category 1
3.7/2	Repr. 2	Reproductive toxicity, Category 2
3.8/3	STOT SE 3	Specific target organ toxicity (single exposure), Category 3
4.1	Aquatic Acute / Chronic	Hazardous to the aquatic environment (acute / chronic)

Legend to abbreviations

CAS	Chemical Abstracts Service
EC / EINECS	European Community EINECS / ELINCS inventory
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
OEL / TWA	Occupational exposure limit / time-weighted average / short-term
DNEL / PNEC	Derived no-effect level / predicted no-effect concentration
PPE	Personal protective equipment
ADR / RID / IMDG / IATA	Dangerous-goods transport regulations: road / rail / sea / air
IARC	International Agency for Research on Cancer
VOC	Volatile organic compound

Main data sources: CeRaPOXY TG Technical Data Sheet (version 2026.10); United Nations GHS.

Disclaimer: The information herein is based on our state of knowledge at the date stated and refers solely to the product indicated; it constitutes no guarantee of any particular property. It is the user's responsibility to ensure that this information is appropriate and complete for the specific intended use. This SDS cancels and replaces any preceding release.

END OF SAFETY DATA SHEET · 16 OF 16 SECTIONS