SAFETY DATA SHEET

CeRaCOLOR ADMIX

Water-based liquid synthetic polymer admixture used in place of gauging water for the CeRaCOLOR and CeRaCOLOR USG cement-based tile grouts

Product code	2.TG.ADMIX
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	CeRaCOLOR ADMIX
Product code	2.TG.ADMIX
Product type	Water-based liquid synthetic polymer admixture used in place of gauging water for the CeRaCOLOR and CeRaCOLOR USG cement-based tile grouts
Packaging	380g/bottle and 20kg/pail

1.2 Relevant identified uses and uses advised against

Identified use: liquid admixture used in place of gauging water when applying the CeRaCOLOR / CeRaCOLOR USG cement-based tile grouts; it increases bond strength, reduces shrinkage, limits cracking and improves water resistance. Dosage approximately 33 - 38% by weight of the grout powder.

Uses advised against: any application outside the manufacturer's technical instructions (see the product Technical Data Sheet).

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)

The product is NOT classified as a hazardous mixture under the GHS classification criteria (it does not meet the thresholds for physical, health or environmental hazards). The product is a synthetic polymer solution/dispersion in water, non-combustible, with a volatile organic compound (VOC) content of ≈ 0g/l.

2.2 GHS label elements

LABEL ELEMENTS

NOT REQUIRED

No hazard pictogram, signal word, hazard statement (H) or precautionary statement (P) is required under GHS.

Safe-use recommendations — not required on the label

- Keep out of reach of children; keep away from food and drink.
- Wash hands after handling; avoid prolonged contact with skin and eyes.
- If splashed into the eyes: rinse with clean water for several minutes.
- Avoid release to the environment; dispose of the product and its packaging in accordance with applicable regulations.

2.3 Other hazards

- Water-based liquid — non-combustible under normal conditions.
- Mildly alkaline (pH ≈ 10). Prolonged contact may cause slight skin / eye irritation.
- On drying it forms an adherent polymer film that is hard to remove once dry. Surfaces wetted with the product can be slippery.
- Based on the available data, the components do not meet the PBT / vPvB criteria.
- Note: the strong-alkali and cement-dust hazards arise from the grout POWDER when it is mixed in (see the SDS for CeRaCOLOR / CeRaCOLOR USG), not from this liquid admixture itself.

3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS / EC NO.	CONCENTRATION	CLASSIFICATION (GHS)
Polymer emulsion	Trade secret	Trade secret	Not classified

No component is present at a concentration that would be classified as hazardous under the GHS criteria. The remainder consists of water and functional additives at non-classifiable concentrations

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: the water-based product is non-combustible; use media appropriate to the surrounding fire (water, foam, CO_2, dry powder).

Unsuitable media: none in particular.

5.2 Special hazards arising from the chemical

The product itself is non-combustible. Combustion of the dried polymer film may generate carbon monoxide (CO), CO_2 and smoke.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus (SCBA) where required in a smoky fire. Collect contaminated fire-extinguishing water separately.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Take care: surfaces wetted with the product are slippery. Wear gloves and safety goggles as required. Avoid prolonged eye contact.

6.2 Environmental precautions

Do not discharge the product into drains or water bodies (the preservative may be toxic to aquatic life and the product may block drains). Contain the spill.

6.3 Methods and material for containment and cleaning up

Absorb with inert material (sand, earth, absorbent granules); collect into suitable containers. Wipe clean while the product is still wet (once dry it forms a film that is hard to remove). Wash the area with water; retain the contaminated wash water for treatment.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid eye contact and prolonged skin contact; wash hands after handling. Shake or stir thoroughly before use. Mix at the correct dosage with the grout powder as instructed. Close the packaging after opening. Apply in a well-ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool place; PROTECT FROM FREEZING / FROST (water-based product — spoiled by freezing); keep away from direct sunlight and elevated temperatures. Keep out of reach of children and away from food.

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

Incompatible materials: strong acids, strong oxidisers; freezing temperatures.

7.3 Specific end use(s)

Liquid admixture for cement-based tile grouts (see Section 1 and the product Technical Data Sheet).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters — occupational exposure limits (Vietnam)

The product contains no significant volatile components (VOC ≈ 0g/l); Vietnam has set no specific occupational exposure limit (OEL) for this additive. Apply general occupational hygiene principles per QCVN 02:2019/BYT and the Law on Occupational Safety and Health.

8.2 Individual protection measures (PPE)

No special protective equipment is required under normal conditions of use; apply good working practice.

Eye protection: Not required in normal use; wear safety goggles (EN 166) where there is a risk of splashing.

Hand protection: Not required for brief contact. For prolonged contact use gloves per EN ISO 374 — nitrile rubber (NBR) ≥ 0.35mm; neoprene / polychloroprene (CR) ≥ 0.5mm; butyl rubber (IIR) ≥ 0.5mm; fluoro rubber (FKM) ≥ 0.4mm; breakthrough time ≥ 480 minutes.

Skin / body protection: Standard protective clothing.

Respiratory protection: Not required under normal conditions of use.

Engineering controls: Ensure adequate general ventilation.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Milky white
Odour	Slight, characteristic
Odour threshold	No data available
pH	≈ 10
Melting/freezing point	≈ 0°C (water-based — protect from freezing)
Boiling point	≈ 100°C (water-based)
Flash point	Not applicable (water-based, non-combustible)
Flammability	Non-combustible
Vapour pressure	As for water (≈ 2.3kPa at 20°C)
Density	≈ 1.03g/cm³
Solubility in water	Miscible / dispersible
Viscosity	Low (liquid)
VOC content	0g/l (per Technical Data Sheet, USEPA Method 24)
Physical state	Liquid

10 STABILITY AND REACTIVITY

10.1 Reactivity	Stable; no hazardous reactions under normal conditions.
10.2 Chemical stability	Stable when stored correctly. Freezing breaks the dispersion and spoils the product.
10.3 Possibility of hazardous reactions	None under normal conditions of use.
10.4 Conditions to avoid	Freezing / frost; elevated temperatures; heat and ignition sources.
10.5 Incompatible materials	Strong acids, strong oxidisers.
10.6 Hazardous decomposition products	None under normal conditions; combustion of the dried film forms CO and CO_2.

11 TOXICOLOGICAL INFORMATION

ROUTE OF EFFECT	CLASSIFICATION RESULT
a) Acute toxicity	Not classified (based on the composition)
b) Skin corrosion/irritation	Not classified (slight irritation possible on prolonged contact because of the mild alkalinity)
c) Serious eye damage/irritation	Not classified (slight irritation possible)
d) Respiratory/skin sensitisation	Not classified
e) Germ cell mutagenicity	Not classified
f) Carcinogenicity	Not classified
g) Reproductive toxicity	Not classified
h) STOT — single exposure	Not classified
i) STOT — repeated exposure	Not classified
j) Aspiration hazard	Not classified

12 ECOLOGICAL INFORMATION

Toxicity	Not classified for environmental hazards. No component with hazardous environmental properties is present at the concentrations found in the product. Uncured product must nevertheless be kept out of water bodies.
Persistence and degradability	No data available; the synthetic polymer is persistent and poorly biodegradable.
Bioaccumulative potential	Not expected (high molecular weight polymer).
Mobility in soil	The dried product forms an inert film of low mobility.
Other adverse effects	Avoid releasing the product into water bodies and drains (it may block them once dry).

13 DISPOSAL CONSIDERATIONS

- Allow the product to dry / film-form, then dispose of it as inert solid construction waste; or hand it to a licensed waste contractor.
- Do not pour the product or wash water into drains (it causes blockage and water pollution).
- Packaging: collect; if clean it may be recycled, otherwise dispose of it in accordance with local / national regulations. Empty pails and bottles may still contain residues.

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).
- The grout system mixed with this admixture achieves class CG2WA per EN 13888-1:2022 and ISO 13007-3:2010.

Chemical safety assessment: not mandatory for this mixture.

16 OTHER INFORMATION

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

None — the product is not classified as hazardous under GHS and contains no hazardous components.

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
PBT / vPvB	Persistent, bioaccumulative, toxic / very persistent, very bioaccumulative
PPE	Personal protective equipment
ADR / RID / IMDG / IATA	Dangerous-goods transport regulations: road / rail / sea / air
VOC	Volatile organic compound

Main data sources: CeRaCOLOR ADMIX 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