SAFETY DATA SHEET

BuMaLATEX

Water-based multipurpose latex admixture for cement-based tile adhesives and mortars, liquid

Product code	3.WP.LATEX
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	BuMaLATEX
Product code	3.WP.LATEX
Product type	Water-based multipurpose latex admixture for cement-based tile adhesives and mortars, liquid
Packaging	05kg/pail and 20kg/pail

1.2 Relevant identified uses and uses advised against

Identified use: Multipurpose liquid latex admixture that may be diluted with water on site and mixed with pre-blended mortars or Portland cement/sand mortars to produce screeds and renders; waterproof mortars; tile adhesives; or concrete repair mortars. Mixed with BuMaGREEN tile adhesive it improves adhesive performance when fixing tiles and stone outdoors or in water tanks and swimming pools. For interior, exterior and permanently wet areas.

SCOPE OF APPLICATION: This sheet applies only to the BuMaLATEX latex admixture in liquid form. The product is mixed with cement, cement-sand mortar or BuMaGREEN cement-based tile adhesive — these materials have their own hazard classifications and their Safety Data Sheets must be consulted before mixing. Uses advised against: do NOT mix with additives, cement, sand or other materials other than as instructed by the manufacturer; observe the mixing ratios and application conditions given in the Technical Data Sheet (see Section 7).

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 water-based styrene-butadiene latex dispersion, non-combustible, with a low volatile organic compound (VOC) content. Basis of classification: the product contains two sensitising preservatives, BIT (CAS 2634-33-5) and CMIT/MIT (CAS 55965-84-9). Each is assessed separately against its own specific concentration limit (SCL) for skin sensitisation: BIT below 0.05% and CMIT/MIT below 0.0015% — both are below their thresholds, so the product is NOT classified as a sensitiser. All remaining components are present at non-classifiable concentrations. See Sections 3 and 12. NOTE — the disclosure and labelling obligation is independent of classification: although the product is not classified, both BIT and CMIT/MIT are present above the allergy-labelling threshold (BIT from 0.005%; CMIT/MIT from 0.00015% — each being one tenth of that substance's classification limit), so the label must name BOTH substances together with the allergy warning — see Sections 2.2 and 3.

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.
- Avoid direct and prolonged skin contact; wash hands thoroughly after handling.
- Gloves and safety goggles are MANDATORY when mixing with the cement-based powder component — the mixed product contains cement and is alkaline.
- Do not pour surplus product or tool-wash water into drains or water bodies (see Sections 6 and 13).

2.3 Other hazards

- The product contains two isothiazolinone preservatives (BIT and CMIT/MIT) at trace level. These are skin sensitisers: individuals already sensitised may develop allergic contact dermatitis even below the classification threshold. Avoid direct skin contact with the product.
- Hazards of the mixed product: the cement-based powder component contains Portland cement. The mixed product is alkaline — on contact with sweat or body fluids it can cause skin irritation, alkali burns and cement dermatitis; cement, whether dry or wet, can cause serious eye damage. Dust from the powder component can be inhaled. The Safety Data Sheet of the corresponding cement-based powder product must be consulted, and full protective equipment worn during mixing and application.
- The product is highly adhesive. Clean tools and spray equipment while the product is still wet; once cured it can only be removed mechanically.
- Spilled product, or product that dries to a film, can make the work surface slippery.
- Water-based and non-combustible. Freezing breaks the dispersion and irreversibly spoils the product.
- PBT / vPvB assessment: the product contains no PBT or vPvB substance at ≥ 0.1%. It contains no substance of very high concern (SVHC) at ≥ 0.1%.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture — water-based acrylic polymer dispersion with functional additives. Hazardous components within the meaning of GHS:

COMPONENT NAME	CAS / EC NO.	CONCENTRATION	CLASSIFICATION (GHS)
Polymer dispersion	Trade secret	Trade secret	Not classified
1,2-benzisothiazol-3(2H)-one (BIT) — preservative	CAS: 2634-33-5	< 0.05%	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M = 1); Aquatic Chronic 2, H411 (M = 1)
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) — preservative (CMIT/MIT)	CAS: 55965-84-9 EC Index: 613-167-00-5	< 0.0015%	Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1A, H317; Aquatic Acute 1, H400 (M = 100); Aquatic Chronic 1, H410 (M = 100)

The remainder consists of functional additives — not classified as hazardous at the concentrations present.

The hazard (H) statements in the table above are the classifications of the individual components in their PURE form, not the classification of the product.

4 FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

Skin contact: Immediately remove contaminated clothing and footwear. Wash skin with soap and plenty of water. If irritation, a rash or itching appears and persists, get medical advice/attention and take the SDS with you. Wash clothing before reuse.

Eye contact: Remove contact lenses if worn and easy to do. Rinse the eye under gently running clean water with the eyelids open for 10 - 15 minutes. Do not rub. If irritation persists, consult a doctor or ophthalmologist.

Ingestion: Rinse mouth with water. Do not induce vomiting. Do not give milk or alcoholic drinks. Never give anything by mouth to an unconscious person. If symptoms persist, get medical advice and take the SDS with you.

Inhalation: Move the person to fresh air, keep warm and at rest. If unconscious, place in the recovery position and get medical help. If symptoms persist, call a doctor. Never leave the person unattended.

4.2 Most important symptoms/effects, acute and delayed

No serious immediate symptoms have been reported. Prolonged skin contact may cause dryness or slight irritation. Individuals already sensitised to isothiazolinones (BIT or CMIT/MIT) may develop allergic contact dermatitis, typically appearing 12 - 48 hours later. For the mixture once combined with the cement-based powder component: see the Safety Data Sheet of the corresponding cement-based product (alkali burns, cement dermatitis).

4.3 Indication of immediate medical attention and special treatment

Treat symptomatically. No specific antidote is known. Where allergic contact dermatitis is suspected, stop exposure and refer the person to a dermatologist; mention possible isothiazolinone sensitisation so that patch testing can be considered. The additional toxicological information in Section 11 must be observed.

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 water-based product itself is non-combustible. Combustion of the dried polymer film may generate carbon monoxide (CO), CO_2 and unburned hydrocarbons (smoke). No hazardous explosive combustion products have been reported.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus (SCBA) when fighting a fire in a confined space or a smoky fire. Follow standard procedures for chemical fires. Collect contaminated fire-extinguishing water separately; do not allow it to enter drains or water bodies.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment when cleaning up (see Section 8). Take care: surfaces wetted with the product are very slippery — warn of the slip hazard. Avoid prolonged skin contact and eye contact. Ensure the area is ventilated.

6.2 Environmental precautions

Do not discharge the product into drains, surface water or soil — the cured polymer can block pipework, and the preservative in the product is very toxic to aquatic life in its pure form. Contain the spill. If the product contaminates a river, lake or watercourse, notify the competent authority immediately.

6.3 Methods and material for containment and cleaning up

Small quantity: absorb with inert absorbent material (cloths, cotton waste, sand, sawdust) and collect into sealed, correctly labelled containers for disposal. Large quantities: collect mechanically and pump into suitable containers. WIPE CLEAN WHILE THE PRODUCT IS STILL WET — once dry, the polymer film adheres very strongly and can only be removed mechanically. Wash the area with water; retain all contaminated wash water for treatment per Section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Shake or stir thoroughly before use. Mix in the ratio and sequence given in the Technical Data Sheet: add the cement-based powder component slowly to the liquid and stir with a slow-speed mixer until the mix is homogeneous. Gloves, safety goggles and a fine-dust mask are MANDATORY throughout mixing and application — the mixed product contains cement and is alkaline (see Section 8 and the Safety Data Sheet of the corresponding cement-based powder product). Avoid raising dust when pouring the powder. Use the mix within the working time given in the Technical Data Sheet. Apply with a trowel, brush or other suitable tool. Do not eat, drink or smoke while working; wash hands thoroughly after handling. Close the packaging immediately after opening. Apply in a well-ventilated area; avoid confined spaces and areas with children or pets.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool place with the packaging tightly closed in a correctly labelled container; storage temperature 5°C to 35°C. PROTECT FROM FREEZING / FROST — freezing breaks the dispersion and irreversibly spoils the product. Keep away from direct sunlight and elevated temperatures. Store separately from acids. Keep out of reach of children and away from food and drink.

Shelf life: 24 months in the unopened container (per the Technical Data Sheet).

Incompatible materials: strong acids; concentrated electrolytes and polyvalent metal salts (coagulate the dispersion); freezing temperatures.

7.3 Specific end use(s)

Multipurpose latex admixture, used together with cement-based mortars and adhesives (BuMaGREEN, Portland cement/sand) per the product Technical Data Sheet.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters — occupational exposure limits (Vietnam)

The liquid component contains no substance for which an occupational exposure limit (OEL) has been set in Vietnam. Apply general occupational hygiene principles per QCVN 02:2019/BYT and the Law on Occupational Safety and Health. NOTE: when mixing with the cement-based powder component, cement dust must be controlled to the limits in QCVN 02:2019/BYT — see the Safety Data Sheet of the corresponding powder product.

8.2 Individual protection measures (PPE)

In its liquid form the product requires no special protective equipment, but because it contains a sensitising preservative gloves should be worn when handling it. Mixing and application always involve the cement-based powder component, so full protective equipment must be worn throughout. Provide an eyewash point and clean water near the work area.

Eye protection: Safety goggles per EN 166. Mandatory when mixing and wherever there is a risk of splashing.

Hand protection: Chemical-resistant gloves per EN ISO 374 — nitrile rubber (NBR) 0.1 - 0.4mm thick, breakthrough time ≥ 480 minutes. Mandatory when handling the product and when mixing with the cement-based powder. Gloves are also the primary measure against skin sensitisation to isothiazolinones (BIT and CMIT/MIT).

Skin / body protection: Protective coveralls; rubber boots when applying large quantities or when standing in areas of wet mortar.

Respiratory protection: Normally not required for the liquid component. When pouring and mixing the cement-based powder component: an FFP2 fine-dust mask per EN 149 is mandatory.

Engineering controls: Ensure adequate general ventilation; provide local dust extraction where the cement-based powder is poured and mixed. Provide an eyewash point and clean water near the work area.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Opaque white
Odour	Slight, faintly aromatic
Odour threshold	No data available
pH	≈ 8 - 9 at 25°C
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	≈ 1.01 ± 0.01g/cm³ at 25°C
Solubility in water	Dispersible in water before curing; insoluble once cured
VOC content	0g/l (declared per USEPA Method 24)

10 STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions. Does not decompose when stored and used as directed.
10.2 Chemical stability	Stable when stored correctly (cool and dry, protected from freezing). Freezing breaks the dispersion and irreversibly degrades the product.
10.3 Possibility of hazardous reactions	No hazardous reactions occur. Stable under the recommended storage conditions.
10.4 Conditions to avoid	Freezing / frost; elevated temperatures; prolonged direct sunlight.
10.5 Incompatible materials	Strong acids; concentrated electrolytes and polyvalent metal salts — coagulate the dispersion.
10.6 Hazardous decomposition products	Under normal storage and use conditions: no hazardous decomposition products are known. On combustion: carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

11 TOXICOLOGICAL INFORMATION

ROUTE OF EFFECT	CLASSIFICATION RESULT
a) Acute toxicity	Not classified. No component is present at a concentration reaching the classification threshold.
b) Skin corrosion/irritation	Not classified. Prolonged or repeated contact may cause dryness or slight irritation.
c) Serious eye damage/irritation	Not classified. May cause temporary stinging, redness and discomfort if splashed into the eyes.
d) Respiratory/skin sensitisation	Not classified. The product contains CMIT/MIT preservative below 0.0015% — the specific concentration limit for classification as Skin Sensitisation Category 1A. Note: individuals already sensitised to isothiazolinones may still show an allergic reaction below this threshold.
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	The product is NOT classified as hazardous to the aquatic environment. The two preservatives BIT (M = 1) and CMIT/MIT (M = 100) contribute to the aquatic summation; at the trace concentrations present in the product the summation total falls below the classification threshold. Both substances are nevertheless very toxic to aquatic life in their pure form — the product must be kept out of water bodies.
Persistence and degradability	BIT and CMIT/MIT: not readily biodegradable. Styrene-butadiene latex: persistent, not biodegradable; dries to an inert film.
Bioaccumulative potential	Not bioaccumulative (OECD 305 for CMIT/MIT). The styrene-butadiene latex is of high molecular weight — bioaccumulation is not expected.
Mobility in soil	No data available. The dried product forms an inert film of low mobility.
Other adverse effects	PBT and vPvB assessment: the product contains no PBT or vPvB substance at 0.1% or above. Do not allow the product to enter surface water, drainage systems, sewers or soil. Special note for water tanks and swimming pools: put into service only after the waterproofing layer has cured and been kept for the full curing time given in the Technical Data Sheet; discard the first fill of water and observe the product's current potable-water contact certification.

13 DISPOSAL CONSIDERATIONS

- Minimise waste generation. Allow surplus product to dry / cure completely, then dispose of it as solid construction waste, or hand it to an authorised contractor for treatment at a licensed facility.
- Do not pour surplus product or tool-wash water into drains, water bodies or soil — the cured polymer blocks pipework. Collect separately for disposal.
- Dispose of in accordance with local and national regulations (the Law on Environmental Protection and applicable waste-management regulations).
- Empty packaging: drain completely (drip-free) and clean; it may then be sent to a suitably equipped facility for recycling or disposal. 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).
- Reference product standards: per the Technical Data Sheet.

Chemical safety assessment: not mandatory for this mixture.

16 OTHER INFORMATION

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

> The H statements above are the classifications of the two preservatives BIT and CMIT/MIT in their PURE form, as listed in Section 3. At the trace concentrations present in the product none of them applies to the product — the product is not classified and carries no hazard statement; the label must nevertheless bear the allergy warning naming both substances (see Section 2.2).

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
LC50 / EC50 / ErC50	Concentration lethal to, or affecting, 50% of the test organisms
NOEC	No observed effect concentration
M factor	Multiplying factor used in the summation method when classifying aquatic environmental hazards
SCL	Specific concentration limit — a substance-specific threshold used instead of the generic threshold when classifying a mixture
CMIT/MIT	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) — preservative
OECD	Organisation for Economic Co-operation and Development — test guidelines
VOC	Volatile organic compound
SVHC	Substance of very high concern

Main data sources: BuMaLATEX 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