

SAFETY DATA SHEET

Summit Bridge — Liquid Plus

Reg. (EC) No 1907/2006 (REACH) – Annex II | Reg. (EC) No 1272/2008 (CLP/GHS)

Issue: Summit Bridge Version 1.0 | Issue Date: May 2026

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Field	Detail
Trade Name	Liquid Plus
Product Type	Biological effluent treatment preparation – liquid ultra-concentrate
UFI	Not yet assigned
CAS No.	Not applicable (mixture)

1.2 Relevant Identified Uses / Uses Advised Against

Identified Uses: Concentrate for biological effluent treatment preparation. Recommended dose rate: 1 litre per 1,000,000 litres (1 megalitre) of wastewater per day. Dilute 10:1 parts water to 1 part liquid before application. Applied by continuous drip-dosing or metered injection directly into a large body of wastewater, where the concentrate is immediately and massively diluted on contact. Bio-augmentation additive for biological effluent treatment systems, sewage infrastructure, septic tanks, and wastewater networks.

1.3 Details of the Supplier

Company: Summit Bridge Limited (Reg. HE 488349), Limassol, Cyprus

Address: LORDOS CENTER, BLOCK B, Floor 2, Flat/Office 203, Makariou III & Vyronos, 3105 Limassol, Cyprus

Telephone: +44 7742 244797 Email: info@summitbridge-global.com

1.4 Emergency Telephone

+44 7742 244797. For medical emergencies, contact local emergency services.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture (Regulation (EC) No 1272/2008 – CLP)

Hazard Class	Category	Hazard Statement	Basis / Component
Serious Eye Damage/Irritation	—	Not classified	All components below their generic concentration limits; mixture is a mild buffered solution
Environmental Hazard	—	Not classified	No aquatic toxicity at use-level concentrations

2.2 Label Elements (CLP/GHS)

Signal Word	None – mixture is not classified as hazardous	GHS Pictogram(s)	None required
Hazard Statements	None – no H-statements apply to this mixture	Precautionary Measures (good practice)	Although not classified, the following are recommended as good handling practice: P264 – Wash hands thoroughly after handling P280 – Wear eye protection P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing P501 – Dispose of contents/container per local regulations

2.3 Other Hazards – PBT/vPvB and supplementary information

This mixture does not contain substances meeting PBT or vPvB criteria (REACH Annex XIII). No endocrine-disrupting properties identified. Acetic acid is fully biodegradable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Component	CAS No.	EC No.	% m/m	CLP Classification	REACH Reg. No.
Acetic Acid	64-19-7	200-580-7	<9.5	Not classified at this concentration. Skin/eye irritation applies only at 10–25%; corrosive classification only above 25%.	01-2119475328-30
Potassium Sorbate	24634-61-5	246-376-1	0.1–9.5	Eye Irrit. 2 H319 (substance). Not applicable to this mixture — below cut-off.	
Sodium Hydroxide	1310-73-2	215-185-5	0.2–1.0	Not applicable — neutralised to sodium acetate; free NaOH not present. Substance-level: Skin Corr. 1A H314.	
Dye Idacol Blue (FD&C Red 40 / Acid Blue)	3567-69-9	222-657-4	0.0001–0.0010	Not classified	N/A – present at de minimis level
Bacterial mixture: B006 Bacillus cereus; D005 Bacillus cereus; D014 Bacillus subtilis (non-hazardous natural environmental isolates, non-GMO, non-pathogenic, non-carcinogenic) – food-grade activation nutrients	N/A	N/A	Balance	Not classified	N/A

The mixture is a buffered aqueous solution at pH 4.80 ± 0.10 (an acetic acid / sodium acetate buffer): the acidity is mild and skin-compatible and the sodium hydroxide is neutralised. All components are present below their generic concentration limits, so the mixture is not classified as hazardous. Bacterial strains are biosafety level 1, non-pathogenic environmental isolates.

SECTION 4: FIRST-AID MEASURES

Route of Exposure	First-Aid Action	Symptoms
Inhalation (vapour)	Remove to fresh air. Seek medical attention if symptoms persist.	No specific inhalation hazard under normal use; vinegar-like odour may be noticeable
Skin contact	Wash with soap and water. Seek medical advice if irritation develops.	No classified skin hazard; mild transient irritation possible on prolonged contact
Eye contact	Rinse cautiously with clean water for several minutes, holding eyelids open. Remove contact lenses if present and easy to do; continue rinsing. Seek medical attention if irritation persists.	Redness or lacrimation possible (Eye Irrit. 2)
Ingestion	Rinse mouth with water. Give water to drink if conscious. Seek medical advice if a large quantity is swallowed.	Mild gastric discomfort possible

Most important symptoms/effects: No classified health hazard. Transient eye irritation possible on direct contact; rinse with water.

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Product is not flammable. Use any agent appropriate to the surrounding fire (water spray, CO₂, dry powder, foam).
- Unsuitable extinguishing media: None specifically identified.
- Special hazards: Product is an aqueous solution and is NOT classified as a flammable liquid. No hazardous combustion products expected under normal use.
- Protective equipment for fire-fighters: Standard protective clothing. Self-contained breathing apparatus only if significant smoke is present from a surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions: Wear eye protection; avoid contact with eyes. Ensure normal ventilation.
- Environmental precautions: Prevent entry into drains or watercourses in large quantities. All components are readily biodegradable.
- Containment and clean-up: Absorb with inert material (sand, earth, vermiculite) or collect with mop/cloth. Transfer to a suitable labelled container. Wash the area with water.
- Reference to other sections: See Section 8 for personal protection; Section 13 for disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- Use in normally ventilated areas.
- Wear eye protection when handling (see Section 8).
- Avoid contact with eyes.
- Do not eat, drink or smoke during handling.
- Wash hands after handling.

7.2 Conditions for Safe Storage

- Store in cool, dry, dark conditions away from direct sunlight and heat sources.
- Store away from strong oxidising agents.
- Keep container tightly closed when not in use.
- Recommended storage temperature: 10 °C – 25 °C.
- Do not store near food, drink or animal feed.
- Shelf life: 24 months from manufacture date when stored under recommended conditions.

7.3 Specific End Use(s)

Biological effluent treatment preparation – Liquid. Applied by continuous drip-dosing or metered injection directly into a large body of wastewater at a recommended minimum dose rate of 1 litre per 1,000,000 litres (1 megalitre) of wastewater per day. Dilute 10:1 parts water to 1 part liquid before application (dosing schedule can be provided upon request). The Liquid is immediately and massively diluted on contact with the receiving wastewater body. Can be applied undiluted – dose directly into the flowing or aerated wastewater stream. Mix contents well before use. This product is not flammable. Use in accordance with the product technical data sheet and supplier dosing instructions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters – Occupational Exposure Limits

Substance	EU OEL – TWA (8h)	EU OEL – STEL (15 min)	Basis
Acetic Acid	10 ppm / 25 mg/m ³	20 ppm / 50 mg/m ³	Directive 2017/164/EU indicative OEL (limit for the pure substance; not expected to be approached at this dilution)
Sodium Hydroxide (as NaOH)	Not established (TWA)	1 mg/m ³ (STEL)	Directive 2017/164/EU indicative OEL (limit for

Substance	EU OEL – TWA (8h)	EU OEL – STEL (15 min)	Basis
			the pure substance; not applicable at this dilution)
Potassium Sorbate	Not established	Not established	No EU indicative OEL; apply ALARA principle
Dye Idacol Blue	Not established	Not established	Present at de minimis concentration

8.2 Exposure Controls / PPE

Control	Measure
Engineering Controls	General ventilation is sufficient for normal use. Provide an eye-wash station in work areas.
Respiratory Protection	Not required under normal use conditions.
Hand Protection	Gloves recommended as good practice for prolonged handling (nitrile or latex; EN ISO 374). Not required for brief incidental contact.
Eye Protection	Safety goggles (EN 166) required — eye irritation is the classified hazard for this product.
Skin / Body Protection	Normal work clothing. Wash contaminated clothing before reuse.
Environmental Controls	Prevent release of large volumes to surface water or drains without dilution.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Appearance	Bluish liquid	Odour	Naturally acidic (acetic acid – vinegar-like)
Odour threshold	~1 ppm (acetic acid, detectable)	pH	4.80 ± 0.10
Melting / freezing point	Not determined	Boiling point	~100 °C (approx., aqueous mixture)
Flash point	Not applicable (aqueous solution)	Flammability	Not flammable
Explosive properties	None (liquid)	Oxidising properties	None
Vapour pressure	Not determined (aqueous mixture)	Vapour density	Not determined
Relative density	1.000 kg/l ± 0.005	Solubility in water	Miscible in all proportions
Partition coefficient (n-octanol/water)	Not determined	Auto-ignition temperature	Not determined
Viscosity	13.20 cP	Evaporation rate	Not determined

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity: No specific reactivity hazards identified under normal conditions of use.
- 10.2 Chemical stability: Stable under recommended storage and handling conditions. Biological activity may degrade at elevated temperatures or on prolonged exposure to light.
- 10.3 Possibility of hazardous reactions: None known under normal use conditions.
- 10.4 Conditions to avoid: Extreme heat. Direct sunlight (degrades biological activity). Contact with incompatible materials.
- 10.5 Incompatible materials: Strong oxidising agents; strong acids or alkalis (may affect biological activity and product stability).
- 10.6 Hazardous decomposition products: None known under normal use conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Endpoint	Result / Classification	Notes
Oral toxicity	Not classified	No toxicity classification warranted at mixture concentrations; acidity may cause gastric irritation
Dermal toxicity	Not classified	No systemic dermal toxicity expected.
Inhalation toxicity	Not classified	No respiratory irritation classification at use concentrations in aqueous solution; acetic acid vapour is minimal at ambient temperature
Skin corrosion/irritation	Not classified	Buffered mixture at pH 4.80 (acetate buffer); mild acidity and neutralised sodium hydroxide — skin-irritation criteria not met.
Eye irritation	Not classified	Potassium sorbate present below the 10% mixture threshold; rinse if contact occurs (good practice).
Respiratory/skin sensitisation	Not classified	No harmonised skin-sensitisation classification for potassium sorbate; weight-of-evidence (GreenScreen / CIR / EFSA) negative. Not classified as a sensitiser.
Carcinogenicity	Not classified	No component classified as carcinogen under CLP/IARC at these concentrations
Reproductive toxicity	Not classified	No reproductive toxicity data indicating classification
STOT – repeated exposure	Not classified	No chronic toxicity data indicating classification at use concentrations
Aspiration hazard	Not classified	Aqueous liquid; aspiration hazard not applicable

SECTION 12: ECOLOGICAL INFORMATION

Parameter	Result	Notes
12.1 Toxicity – fish	Not classified	No aquatic toxicity at use-level concentrations; acetic acid has high threshold for aquatic toxicity
12.1 Toxicity – daphnia	Not classified	No classification warranted at use concentrations
12.1 Toxicity – algae	Not classified	No data indicating algal toxicity at use concentrations
12.2 Persistence / Degradability	Readily biodegradable	Acetic acid: readily biodegradable (OECD 301). Potassium sorbate: readily biodegradable. Sodium hydroxide: inorganic, neutralises in environment. Bacterial components: biodegradable.
12.3 Bioaccumulation	Not expected	Low log Kow for all organic components; no bioaccumulation anticipated
12.4 Mobility in soil	High mobility	Aqueous mixture; components likely to leach. Acetic acid rapidly biodegraded in soil.
12.5 PBT/vPvB assessment	Not PBT / Not vPvB	No component meets PBT or vPvB criteria (REACH Annex XIII)
12.6 Endocrine-disrupting properties	None identified	No components listed under EU endocrine disruptor criteria
12.7 Other adverse effects	None identified	Avoid large-volume releases of undiluted product to water bodies.

Parameter	Result	Notes
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

- Dispose of product residues in accordance with national and local regulations (Directive 2008/98/EC – Waste Framework Directive).
- Diluted or used product: may be disposed of to sewer in accordance with local trade effluent consent conditions – confirm with local authority.
- Undiluted product: collect and dispose of as liquid waste via a licensed waste contractor. (dose rate 1 litre per megalitre).
- Do not dispose of large quantities to surface water or soil.
- European Waste Catalogue (EWC) Code: 07 07 99 (wastes from manufacture of other fine chemicals) – confirm with waste contractor.

Packaging disposal: Rinse empty containers thoroughly with water before disposal. Recycle clean plastic packaging per local recycling schemes. Contaminated packaging: dispose as liquid waste packaging.

SECTION 14: TRANSPORT INFORMATION

Parameter	ADR/RID (Road/Rail)	IMDG (Sea)	IATA (Air)
UN Number	Not applicable	Not applicable	Not applicable
UN Proper Shipping Name	Not regulated as dangerous goods	Not regulated as dangerous goods	Not regulated as dangerous goods
Transport Hazard Class	None	None	None
Packing Group	None	None	None
Environmental Hazards	Not a marine pollutant	Not a marine pollutant	N/A
Special Precautions	Keep upright. Store away from heat sources.	Keep upright.	Standard handling precautions.

Transport: acetic acid content is below 10%, so the mixture is not regulated as dangerous goods for transport.

Bulk transport (MARPOL Annex II / IBC Code): Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations

Regulation / Directive	Status / Notes
REACH – Regulation (EC) No 1907/2006	This SDS is prepared in accordance with REACH Annex II (as amended by Regulation (EU) 2020/878). All substances present are registered or exempt under REACH.
CLP – Regulation (EC) No 1272/2008	Mixture assessed under CLP/GHS by the calculation (additivity) method. NOT classified as hazardous — no H-statements, no pictogram, no signal word.
Biocidal Products Regulation (EU) 528/2012 (BPR)	This product is a biological wastewater treatment preparation and does NOT make biocidal claims. Not classified as a biocidal product under BPR.
REACH Annex XIV (Authorisation List)	No substances of very high concern (SVHC) present above threshold concentrations.
REACH Annex XVII (Restriction List)	No restricted substances identified in this mixture at applicable concentrations.
Seveso III Directive (2012/18/EU)	Not subject to Seveso III requirements.
VOC Directive (2004/42/EC)	Not applicable – aqueous biological treatment preparation.
National Legislation	EU harmonised framework applies; Cyprus national implementing legislation as the place of supply.

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has not been conducted for this mixture.

SECTION 16: OTHER INFORMATION

Hazard Statements Referenced in Sections 2 and 3

No hazard statements apply to this mixture. The following are substance-level classifications of individual components, listed for reference only and not applicable to the mixture as supplied: H319 Causes serious eye irritation (potassium sorbate); H314 Causes severe skin burns and eye damage; H318 Causes serious eye damage (concentrated acetic acid / free sodium hydroxide).

Full Text of Precautionary Statements

P264 Wash hands thoroughly after handling • P280 Wear eye protection • P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing • P337+P313 If eye irritation persists: Get medical advice/attention • P501 Dispose of contents/container in accordance with applicable local/national regulations.

Abbreviations and Acronyms

CLP – Classification, Labelling and Packaging Regulation | REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals | GHS – Globally Harmonised System | OEL – Occupational Exposure Limit | TWA – Time-Weighted Average | STEL – Short-Term Exposure Limit | PBT/vPvB – Persistent, Bioaccumulative and Toxic / very Persistent, very Bioaccumulative | SDS – Safety Data Sheet | SVHC – Substance of Very High Concern | EWC – European Waste Catalogue | SCBA – Self-Contained Breathing Apparatus | VOC – Volatile Organic Compound | ALARA – As Low As Reasonably Achievable.

Key Sources / Bibliography

Regulation (EC) No 1272/2008 (CLP) and its amendments, including ATP 17 • Regulation (EC) No 1907/2006 (REACH) Annex II as amended by Regulation (EU) 2020/878 • ECHA Guidance on the Compilation of Safety Data Sheets (v4.0, 2021) • ECHA C&L Inventory – harmonised classifications for acetic acid (EC 200-580-7), sodium hydroxide (EC 215-185-5) • OECD 301 Biodegradability Guidelines • Directive 2017/164/EU – Indicative Occupational Exposure Limit Values • Manufacturer/supplier data sheets.

Revision / Change History

Version	Date	Summary of Changes
1.0	May 2026	Summit Bridge EU CLP/GHS issue. Mixture assessed by the calculation method and NOT classified as hazardous; all components below generic concentration limits.

DISCLAIMER: The information contained in this Safety Data Sheet is based on the state of knowledge at the date of issue and is believed to be accurate. It is provided in good faith and is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release. This SDS does not constitute a warranty, express or implied, regarding the suitability of the product for any particular use. Classification has been made by the supplier of record using the CLP calculation method; the exact formulation, component identities and REACH registration status should be confirmed with the originating manufacturer. Summit Bridge accepts no liability for any injury, loss or damage arising from use of this product in a manner inconsistent with this SDS or applicable regulations.