

SAFETY DATA SHEET

Summit Bridge — Sewage Powder

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

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

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

1.1 Product Identifier

Field	Detail
Trade Name	Sewage Powder
Product Type	Biological effluent treatment preparation – powder form
UFI	Not assigned – not required (mixture is not classified as hazardous; see Section 2)
CAS No.	Not applicable (mixture)

1.2 Relevant Identified Uses / Uses Advised Against

Identified Uses: Biological wastewater and effluent treatment; bioaugmentation additive for sewage systems, septic tanks, municipal and industrial treatment works; odour control in wastewater infrastructure.

Uses Advised Against: Not for use in petrochemical, oil-associated or hydrocarbon-contaminated water streams. Not for human or animal consumption. Not for direct therapeutic use.

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 & Vryonos, 3105 Limassol, Cyprus

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

1.4 Emergency Telephone

24-hour emergency contact: +44 7742 244797 For medical emergencies, contact local emergency services.

SECTION 2: HAZARDS IDENTIFICATION

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

NOT CLASSIFIED as hazardous under Regulation (EC) No 1272/2008 (CLP).

The mixture has been assessed by the calculation (additivity) method under CLP Annex I. The principal components, calcium carbonate and magnesium sulphate, do not carry a harmonised CLP classification. The minor metal-sulphate components are present at 0.01–0.10% m/m, below the generic concentration limits at which they would contribute to classification of the mixture. No physical, health or environmental hazard class is met. (Full basis: Section 16.)

2.2 Label Elements (CLP/GHS)

Element	Detail
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 for a fine powder: P261 Avoid breathing dust; P264 Wash hands thoroughly after handling; P271 Use in a well-ventilated area; P280 Wear eye protection (recommended); P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes, remove contact lenses if present, continue rinsing; P501 Dispose of contents/container per local regulations.

2.3 Other Hazards

PBT/vPvB: This mixture does not contain substances meeting PBT or vPvB criteria (REACH Annex XIII). No endocrine-disrupting properties identified. Physical-form note: as with any fine organic-containing powder, avoid generating dust clouds near ignition sources (see Sections 7 and 10).

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture

Component	CAS No.	EC No.	% m/m	CLP Classification (substance level)	REACH Status
Calcium carbonate	471-34-1	207-439-9	10–30	Not classified (no harmonised classification)	Exempt under Annex V if natural/ground; if precipitated/synthetic a registration applies – confirm grade with supplier
Montmorillonite clay	1302-78-9	215-288-5	1–10	Not classified (naturally occurring mineral)	Exempt under Annex V
Magnesium sulphate	7487-88-9	231-298-2	0.5–1.5	Not classified (no harmonised classification)	Registered – confirm registration no. with supplier/registrant
Manganese(II) sulphate	7785-87-7	232-089-9	0.01–0.10	Repr. 2 H361d; STOT RE 1 H372; Aquatic Acute 1 H400; Aquatic Chronic 1 H410 (harmonised). Present <0.1% – below all generic concentration limits	Registered – confirm registration no. with supplier/registrant
Iron(II) sulphate heptahydrate	7720-78-7	231-753-5	0.01–0.10	Acute Tox. 4 H302; Eye Irrit. 2 H319; Skin Irrit. 2 H315 (harmonised). Present <0.1% – below cut-offs	Registered – confirm registration no. with supplier/registrant
Bacterial mixture – Bacillus spp. environmental isolates (strains B006, D005, D014); non-GMO; food-grade activation nutrients	N/A	N/A	Balance	Not classified. Characterised by the supplier as biosafety level 1 (BSL-1)	Outside REACH scope (live micro-organisms are not “substances” under REACH Art. 3)

The principal components (calcium carbonate, magnesium sulphate) do not carry a harmonised CLP classification. The minor sulphate components are present at trace concentrations (0.01–0.10%), below the generic concentration limits for the hazard classes shown; they therefore do not contribute to classification of the mixture. The mixture contains no SVHC above the 0.1% threshold. REACH registration numbers for the registered substances are registrant-specific and are to be confirmed with the supplier/registrant; calcium carbonate (natural/ground) and montmorillonite clay are exempt under REACH Annex V. Bacterial strains are characterised by the supplier as BSL-1 environmental isolates.

SECTION 4: FIRST-AID MEASURES

Route of Exposure	First-Aid Action	Symptoms
Inhalation (dust)	Remove to fresh air. Keep at rest in a comfortable position for breathing. If breathing is difficult, seek medical attention.	Possible transient coughing or throat irritation from dust
Skin contact	Remove contaminated clothing. Wash affected area with soap and water. Seek medical advice if irritation persists.	Mild, transient irritation possible
Eye contact	Rinse cautiously with clean water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.	Possible transient redness/lacrimation from mechanical dust contact

Route of Exposure	First-Aid Action	Symptoms
Ingestion	Do NOT induce vomiting. Rinse mouth with water. Seek medical attention if a large quantity is ingested. Show this SDS to attending personnel.	Nausea, gastric discomfort possible

Most important symptoms/effects: Mild, transient mechanical irritation possible from dust. No classified health hazard. Medical attention not normally required for minor exposures.

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable extinguishing media: CO₂, dry powder, water spray. Use agent appropriate to the surrounding fire.
- Unsuitable extinguishing media: High-pressure water jet (may disperse powder and raise dust).
- Special hazards: Product is not flammable. As with any fine organic-containing powder, dispersed dust can in principle form combustible dust-air mixtures – avoid generating dust clouds near ignition sources. No hazardous combustion products under normal use.
- Protective equipment for fire-fighters: Self-contained breathing apparatus (SCBA) and full protective clothing where dust may be present.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions: Avoid raising dust; ensure adequate ventilation. As good practice, wear a dust mask (FFP2/N95), safety goggles and gloves where dust is generated.
- Environmental precautions: Prevent entry into drains, watercourses or soil in large quantities. Minor spills at normal use quantities are unlikely to cause environmental harm.
- Containment and clean-up: Collect spilled material carefully with a shovel; avoid raising dust. Transfer to a suitable labelled container. Wash spill area with water. Dispose as solid waste per local regulations.
- 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

- Avoid generating dust; use in well-ventilated areas or outdoors.
- As a precaution against dust, avoid handling near ignition sources when working in bulk.
- Do not eat, drink or smoke during handling.
- Wash hands and exposed skin thoroughly after handling.

7.2 Conditions for Safe Storage

- Store in cool, dry, dark conditions away from direct sunlight and heat sources.
- Keep container tightly closed when not in use to maintain biological activity.
- Store away from strong oxidising agents.
- Recommended storage temperature: 5 °C – 25 °C. Shelf life: as indicated on the product label.

7.3 Specific End Use(s)

Biological effluent treatment preparation. 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

The mixture is not classified. The values below are general dust/component reference limits provided for good occupational hygiene where dust is generated.

Substance	EU OEL – TWA (8h)	EU OEL – STEL (15 min)	Basis
Calcium carbonate (inhalable)	10 mg/m ³ (inhalable dust)	Not established	Directive 2017/164/EU (indicative)
Manganese (as Mn) – from Mn sulphate	0.2 mg/m ³ (respirable)	Not established	Directive 2017/164/EU
Iron salts (as Fe) – from Fe sulphate	1 mg/m ³ (respirable)	Not established	National guidance (indicative)
General inhalable dust	10 mg/m ³	Not established	General EU workplace guidance

8.2 Exposure Controls / PPE

Control	Measure
Engineering Controls	Use local exhaust ventilation where dust generation is anticipated. General dilution ventilation is acceptable for small-scale use. Provide eye-wash facilities in work areas.
Respiratory Protection	Not normally required for routine low-dust handling. Where dust is generated: FFP2 (EN 149) half-mask dust respirator recommended; FFP3 or PAPR for bulk handling.
Hand Protection	Gloves recommended for prolonged handling (nitrile or latex; EN ISO 374).
Eye Protection	Safety goggles (EN 166) recommended where dust or splash risk exists; safety spectacles as a minimum for general use.
Skin / Body Protection	Long-sleeved clothing and closed footwear. Remove and wash contaminated clothing before reuse.
Environmental Controls	Prevent release of large quantities to the aquatic environment. Refer to Section 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Appearance	Light brown / beige powder	Odour	Natural, mild earthy
Odour threshold	Not determined	pH (1% solution)	7.0 ± 1.0
Melting/freezing point	Not applicable	Boiling point	Not applicable
Flash point	Not applicable	Flammability	Not flammable; fine dust may form combustible mixtures in air
Explosive properties	None (physical dust note, Sec. 10)	Oxidising properties	None
Vapour pressure	Not applicable	Vapour density	Not applicable
Relative density	0.906 kg/l ± 0.100	Solubility in water	Partially soluble / disperses
Partition coeff. (log K _{ow})	Not determined	Auto-ignition temp.	Not applicable
Viscosity	Not applicable (solid)	Particle size	Fine powder (data on request)

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.
- 10.3 Possibility of hazardous reactions: Dispersed dust may form combustible mixtures with air at sufficient concentration. No polymerisation.
- 10.4 Conditions to avoid: High temperatures, naked flames, ignition sources (when dust is dispersed in bulk), excessive moisture (degrades biological activity).
- 10.5 Incompatible materials: Strong oxidising agents; strong acids (may release CO₂ from carbonate).
- 10.6 Hazardous decomposition products: None known under normal use conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Endpoint	Result	Notes
Oral toxicity	Not classified	No toxicity expected at use concentrations
Dermal toxicity	Not classified	No significant systemic dermal toxicity expected
Inhalation toxicity	Not classified	Dust may cause transient mechanical irritation; observe dust OELs in Section 8
Skin corrosion/irritation	Not classified	Principal components non-classified; minor irritant components below cut-offs
Serious eye damage/irritation	Not classified	As above; rinse if dust enters eyes (good practice)
Respiratory/skin sensitisation	Not classified	No sensitising components identified
Germ cell mutagenicity	Not classified	No mutagenic components above cut-off
Carcinogenicity	Not classified	No component classified as carcinogen under CLP/IARC
Reproductive toxicity	Not classified	Mn sulphate (Repr. 2) present <0.1%, below the 0.3% generic cut-off
STOT – single exposure	Not classified	No STOT SE classification warranted for the mixture
STOT – repeated exposure	Not classified	Mn sulphate (STOT RE 1) present <0.1%, below the 1% cut-off
Aspiration hazard	Not applicable	Solid powder

SECTION 12: ECOLOGICAL INFORMATION

Parameter	Result	Notes
12.1 Toxicity – fish	Not classified	No known aquatic toxicity at use-level concentrations
12.1 Toxicity – daphnia	Not classified	Mn sulphate present at trace level; below mixture cut-off
12.1 Toxicity – algae	Not classified	No data indicating algal toxicity at use concentrations
12.2 Persistence / Degradability	Readily biodegradable	Organic components meet OECD 301; mineral components naturally occurring
12.3 Bioaccumulation	Not expected	Low log Kow for organic components
12.4 Mobility in soil	Not determined	Components unlikely to persist in soil under normal use
12.5 PBT/vPvB assessment	Not PBT / Not vPvB	No component meets PBT or vPvB criteria (Annex XIII)
12.6 Endocrine-disrupting properties	None identified	No components on EU endocrine-disruptor lists
12.7 Other adverse effects	None identified	Avoid introducing large quantities to water bodies

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).
- Small quantities: dispose as controlled solid waste to a licensed facility.
- Larger quantities: consider biological treatment/composting where permitted.
- Do not dispose of unused product via drains in concentrated form.
- European Waste Catalogue (EWC) Code: 07 07 99 – confirm with waste contractor.

Packaging disposal: Recycle clean plastic and paper packaging per local schemes. Contaminated packaging: dispose as solid waste.

SECTION 14: TRANSPORT INFORMATION

Parameter	ADR/RID (Road/Rail)	IMDG (Sea)	IATA (Air)
UN Number	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name	N/A	N/A	N/A
Transport Hazard Class	N/A	N/A	N/A
Packing Group	N/A	N/A	N/A
Environmental Hazards	Not a marine pollutant	Not a marine pollutant	N/A
Special Precautions	Avoid dust generation. Keep dry.	Avoid dust generation. Keep dry.	Standard cargo precautions

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 – Reg. (EC) No 1907/2006	This SDS is prepared in accordance with REACH Annex II (as amended by Reg. (EU) 2020/878). Substances present are registered or exempt; registration numbers for registered components to be confirmed with the supplier/registrant (see Section 3).
CLP – Reg. (EC) No 1272/2008	Mixture assessed under CLP/GHS by the calculation (additivity) method. The mixture is NOT classified as hazardous – no H-statements, no pictogram, no signal word.
Biocidal Products Reg. (EU) 528/2012 (BPR)	This product is a biological wastewater treatment preparation and makes NO biocidal claims. It is not classified as a biocidal product under BPR.
REACH Annex XIV (Authorisation List)	No SVHCs present above threshold concentrations.
REACH Annex XVII (Restriction List)	No restricted substances identified in this mixture.
Seveso III Directive (2012/18/EU)	Not subject to Seveso III requirements.
VOC Directive (2004/42/EC)	Not applicable (solid powder product).
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**Basis of Classification**

Classification of the mixture was determined by the calculation / additivity method under CLP (EC) 1272/2008, Annex I. The principal components – calcium carbonate (EC 207-439-9) and magnesium sulphate (EC 231-298-2) – do not carry a harmonised CLP classification. The minor components manganese(II) sulphate and iron(II) sulphate heptahydrate are present at 0.01–0.10% m/m, below the generic concentration limits for skin/eye irritation (additivity), reproductive toxicity (0.3%), repeated-dose STOT (1%) and environmental classification. Accordingly the mixture does not meet the criteria for any physical, health or environmental hazard class. This assessment supersedes the previous classification and aligns this SDS with the Summit Bridge COSHH assessment for the product.

Full Text of Hazard Statements Referenced at Substance Level in Section 3

H302 Harmful if swallowed • H315 Causes skin irritation • H319 Causes serious eye irritation • H361d Suspected of damaging the unborn child • H372 Causes damage to organs through prolonged or repeated exposure • H400 Very toxic to aquatic life • H410 Very toxic to aquatic life with long-lasting effects. (These are substance-level classifications of minor components present below mixture cut-offs; they do not apply to the mixture as supplied.)

Recommended Precautionary Measures (Good Practice – Mixture Not Classified)

P261 Avoid breathing dust • P264 Wash hands thoroughly after handling • P271 Use only outdoors or in a well-ventilated area • P280 Wear eye protection and gloves (recommended) • P305+P351+P338 IF IN EYES: rinse cautiously with water, remove contact lenses if present, continue rinsing • P501 Dispose of contents/container per local regulations.

Abbreviations

CLP – Classification, Labelling and Packaging | REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals | GHS – Globally Harmonised System | OEL/TWA/STEL – Occupational Exposure Limit / Time-Weighted Average / Short-Term Exposure Limit | PBT/vPvB – Persistent, Bioaccumulative and Toxic / very Persistent, very Bioaccumulative | SVHC – Substance of Very High Concern | EWC – European Waste Catalogue | BSL – Biosafety Level | FFP – Filtering Face Piece | PAPR – Powered Air-Purifying Respirator.

Key Sources

Regulation (EC) No 1272/2008 (CLP) and amendments • Regulation (EC) No 1907/2006 (REACH) Annex II as amended by Reg. (EU) 2020/878 • ECHA Guidance on the Compilation of Safety Data Sheets (v4.0, 2021) • OECD 301 Biodegradability Guidelines • Directive 2017/164/EU (Indicative OEL Values).

Revision / Change History

Version	Date	Summary of Changes
v1.0	May 2026	Previous supplier sheet (classified mixture).

DISCLAIMER: 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 as guidance for safe handling, use, processing, storage, transportation, disposal and release. It does not constitute a warranty, express or implied, regarding suitability for any particular use. Classification of the mixture has been made by the supplier of record using the CLP calculation method; substance-level data and REACH registration numbers for purchased components 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.