Prepared in accordance with the Safe Work Australia Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals and the GHS (Revision 7) as adopted in Australia.

Section 1. Identification of the Material and Supplier

Product identifier	Bifidobacterium Broth
Catalogue number	AS-1139
Other names	Dehydrated culture medium
Recommended use	Laboratory microbiological culture medium
Restrictions on use	Not for human or animal consumption, therapeutic or diagnostic use
Supplier	Ausamics Pty Ltd, ABN 56 676 640 467
Address	36/25 Trafalgar Road, Epping VIC 3076, Australia
Telephone / email	+61 412 520 598 · support@ausamics.com
Emergency telephone	Poisons Information Centre (Australia, 24 h): 13 11 26

Section 2. Hazard Identification

GHS classification	Not classified as hazardous according to the GHS (Rev. 7) as adopted under the model WHS Regulations
Signal word	None
Pictograms	None required
Hazard statements	None
Precautionary statements	None required. Follow good laboratory practice.
Other hazards	Fine powder can form combustible dust concentrations in air. Dust may cause mild mechanical irritation of the eyes and respiratory tract.
Dangerous goods	Not classified as Dangerous Goods under the Australian Dangerous Goods (ADG) Code

Section 3. Composition and Information on Ingredients

Mixture. None of the ingredients is classified as hazardous at the concentrations present.

Ingredient	CAS No.	Proportion (% w/w)
Tryptone (enzymatic digest of casein)	91079-40-2	25.4
Peptone	73049-73-7	12.7
Yeast extract	8013-01-2	12.7
Tomato juice solids	Not available	21.2
D-Glucose (dextrose)	50-99-7	25.4
Polysorbate 80	9005-65-6	2.5

Section 4. First Aid Measures

Inhalation	Move to fresh air. Seek medical advice if symptoms persist.
Skin contact	Wash with soap and water.

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Do not induce vomiting. Seek medical advice if you feel unwell.
Symptoms	None expected beyond mild mechanical irritation from dust.
Medical attention	Treat symptomatically. For advice, contact the Poisons Information Centre: 13 11 26.

Section 5. Fire Fighting Measures

Suitable extinguishing media	Water spray, foam, dry chemical powder or carbon dioxide
Specific hazards	Combustible solid. Fine dust dispersed in air may form an explosive mixture.
Hazardous combustion products	Carbon oxides and nitrogen oxides
Firefighter protection	Self-contained breathing apparatus and protective clothing
Hazchem code	None allocated

Section 6. Accidental Release Measures

Personal precautions	Avoid generating and breathing dust. Wear the protective equipment in Section 8.
Environmental precautions	Prevent large quantities entering drains or waterways.
Clean-up	Sweep up or vacuum (HEPA-filtered) without raising dust. Place in a labelled container for disposal. Wash the area with water.

Section 7. Handling and Storage

Safe handling	Avoid dust formation and inhalation. Weigh in a ventilated area. Wash hands after handling. Do not eat, drink or smoke in work areas.
Storage conditions	Store at 10–30 °C in a tightly closed container in a dry, well-ventilated place, protected from light and moisture (hygroscopic).
Incompatible materials	Strong oxidising agents

Section 8. Exposure Controls and Personal Protection

Exposure standards	No exposure standard has been assigned to this product. Safe Work Australia standard for dusts not otherwise classified: 10 mg/m³ (8-hour TWA, inspirable fraction). Check the current Safe Work Australia list for updates.
Biological limit values	None assigned
Engineering controls	General ventilation. Local exhaust ventilation or a ventilated weighing enclosure where dust is generated.
Eye protection	Safety glasses with side shields
Hand protection	Nitrile or other impervious gloves
Body protection	Laboratory coat

Respiratory protection	Not normally required. Use a P2 particulate respirator if dust is generated in quantity.

Section 9. Physical and Chemical Properties

Physical state	Solid (powder)
Colour	Cream to yellow
Odour	Characteristic, yeast-like
pH	6.8 ± 0.2 (78.65 g/L in water, 25 °C)
Solubility in water	Soluble on heating
Melting / boiling point	Not applicable / not determined
Flash point	Not applicable (solid)
Flammability	Combustible solid; dust may be combustible
Explosive properties	Dust–air mixtures may be explosive
Oxidising properties	None
Vapour pressure	Not applicable
Relative density	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined

Section 10. Stability and Reactivity

Reactivity	Not reactive under normal conditions
Chemical stability	Stable under the recommended storage conditions
Hazardous reactions	None known
Conditions to avoid	Moisture, heat, ignition sources and dust formation
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	Carbon oxides and nitrogen oxides on combustion

Section 11. Toxicological Information

Acute toxicity	No data for the mixture. Based on the ingredients, not expected to be acutely toxic.
Skin corrosion / irritation	Not classified. Dust may cause mild mechanical irritation.
Eye damage / irritation	Not classified. Dust may cause mild mechanical irritation.
Respiratory or skin sensitisation	Not classified. Contains casein-derived material: people with milk protein allergy should avoid exposure.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified. No ingredient is listed as a carcinogen by IARC.
Reproductive toxicity	Not classified
STOT single / repeated exposure	Not classified

Aspiration hazard	Not applicable

Section 12. Ecological Information

Ecotoxicity	No data for the mixture. Not expected to be harmful to aquatic organisms in the quantities used in laboratories.
Persistence and degradability	Ingredients are of natural origin and expected to be readily biodegradable.
Bioaccumulation	Not expected
Other effects	Large releases may increase biological oxygen demand in water.

Section 13. Disposal Considerations

Unused product	Dispose of as non-hazardous waste in accordance with local, state and federal regulations.
Prepared or inoculated medium	Treat as potentially biohazardous. Decontaminate (for example by autoclaving) before disposal, following institutional biosafety procedures.
Packaging	Empty containers may be recycled or disposed of with general waste.

Section 14. Transport Information

Road and rail (ADG Code)	Not regulated as Dangerous Goods
Sea (IMDG)	Not regulated
Air (IATA)	Not regulated
UN number	None allocated
Hazchem code	None allocated
Environmental hazards	Not classified as a marine pollutant

Section 15. Regulatory Information

Australian classification	Not classified as hazardous under the model WHS Regulations
Poisons Standard (SUSMP)	Not scheduled
Dangerous Goods	Not Dangerous Goods under the ADG Code

Section 16. Other Information

Date of preparation	17 April 2025
Version	Rev. 01 (first issue)
Note	This product is not classified as hazardous. This SDS is supplied voluntarily to support safe handling.

Abbreviations	ADG: Australian Dangerous Goods Code · CAS: Chemical Abstracts Service · GHS: Globally Harmonized System of Classification and Labelling of Chemicals · HEPA: high-efficiency particulate air · IARC: International Agency for Research on Cancer · STOT: specific target organ toxicity · SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons · TWA: time-weighted average · WHS: work health and safety
References	Safe Work Australia, Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals; United Nations GHS, Revision 7; Australian Code for the Transport of Dangerous Goods by Road & Rail.

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