

Streptococcus Selection Broth (Pike) — Catalogue No. AS-1450**Date of issue:** 01/10/2025 | **Revision:** 1.0 | **Supersedes:** New issue**1. Identification**

Product identifier	Streptococcus Selection Broth (Pike)
Catalogue number	AS-1450
Recommended use	Dehydrated microbiological culture medium for laboratory use.
Restrictions on use	For laboratory microbiological testing, quality control and research use only. Not intended for direct use in food, human or veterinary therapeutic applications, diagnosis, or consumption.
Supplier	AuSaMicS Pty Ltd 36/25 Trafalgar Road, Epping VIC 3076, Australia ABN 56 676 640 467
Contact	Phone: +61 412 520 598 Email: support@ausamics.com Web: www.ausamics.com.au
Emergency telephone	Poisons Information Centre (Australia, 24 h): 13 11 26 Supplier (business hours): +61 412 520 598

2. Hazard Identification

Not classified as hazardous according to the criteria of the WHS Regulations (GHS Revision 7). Not classified as Dangerous Goods for transport.

GHS classification	Not classified
Signal word	None
Hazard pictograms	None
Basis	Sodium azide (0.65% w/w) and crystal violet (< 0.001% w/w) are below the concentrations that classify the mixture. Calculated acute toxicity estimates exceed 2,000 mg/kg (oral and dermal).
Other hazards	Contact with acids may release toxic hydrazoic acid gas. Sodium azide can form explosive azides with copper, lead, brass and solder in drains. Treat inoculated media as potentially infectious.

3. Composition / Information on Ingredients

Mixture. Percentages are w/w in the dehydrated powder.

Ingredient	CAS No.	Content (% w/w)	GHS classification (ingredient)
Casein peptone	91079-40-2	49.0	Not classified
Soy peptone	—	16.3	Not classified
Dextrose	50-99-7	16.3	Not classified

Ingredient	CAS No.	Content (% w/w)	GHS classification (ingredient)
Sodium chloride	7647-14-5	13.1	Not classified
Sodium citrate	6132-04-3	3.3	Not classified
L-Cystine	56-89-3	0.65	Not classified
Sodium sulfite	7757-83-7	0.65	Not classified
Sodium azide	26628-22-8	0.65	Acute Tox. 2 (oral, H300); Acute Tox. 1 (dermal, H310); STOT RE 2 (H373); Aquatic Acute 1 (H400); Aquatic Chronic 1 (H410)
Crystal violet	548-62-9	< 0.001	Acute Tox. 4 (H302); Eye Dam. 1 (H318); Carc. 2 (H351); Aquatic 1 (H410)

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 with water for several minutes. Seek medical advice if irritation persists.
Ingestion	Rinse mouth. Contact the Poisons Information Centre (13 11 26). Mention that the product contains sodium azide.
Advice to doctor	Treat symptomatically. Contains 0.65% sodium azide.

5. Fire Fighting Measures

Suitable extinguishing media	Water spray, foam, dry chemical powder or carbon dioxide.
Specific hazards	Combustible organic dust. Combustion may produce carbon oxides, nitrogen oxides, sulfur oxides and sodium oxides.
Advice for fire fighters	Wear self-contained breathing apparatus.
Hazchem code	None allocated

6. Accidental Release Measures

Personal precautions	Avoid generating dust. Wear gloves and eye protection.
Environmental precautions	Do not wash spills into drains.
Clean-up	Sweep or vacuum without raising dust and place in a container for disposal. Wipe the area with a damp cloth.

7. Handling and Storage

Safe handling	Avoid breathing dust and contact with acids. Follow good laboratory practice. Wash hands after handling.
Storage conditions	Store at 10–30 °C in a dry place, protected from light, with the container tightly closed.
Incompatible materials	Acids; heavy metals and their salts (copper, lead); strong oxidising agents.

8. Exposure Controls / Personal Protection

Workplace exposure standards	Sodium azide: Safe Work Australia WES peak limitation 0.29 mg/m³. Keep dust levels low.
Engineering controls	Weigh in a ventilated area.
Eye protection	Safety glasses (AS/NZS 1337.1).
Hand protection	Nitrile gloves.
Respiratory protection	P2 particulate respirator (AS/NZS 1716) if dust is generated.
Body protection	Laboratory coat.

9. Physical and Chemical Properties

Appearance	Beige, free-flowing powder
Odour	Characteristic
pH	7.4 ± 0.2 (30.6 g/L, 25 °C, prepared medium)
Solubility	Soluble in water on gentle heating
Flammability	Not flammable; combustible dust

10. Stability and Reactivity

Reactivity	Sodium azide reacts with acids to form hydrazoic acid and with heavy metals to form explosive azides.
Chemical stability	Stable when stored as recommended. Hygroscopic.
Conditions to avoid	Moisture, heat and light.
Incompatible materials	Acids; copper, lead and their salts; strong oxidising agents.
Hazardous decomposition products	Carbon oxides, nitrogen oxides, sulfur oxides.

11. Toxicological Information

Acute toxicity	Not classified. Calculated ATE (mixture) > 2,000 mg/kg (oral and dermal).
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Skin / eye irritation	Not classified. Dust may cause mechanical irritation.
Sensitisation	Not classified.
Carcinogenicity / mutagenicity / reproductive toxicity	Not classified. Crystal violet is present far below its classification limit.

12. Ecological Information

Not classified as hazardous to the aquatic environment. Sodium azide and crystal violet are toxic to aquatic life, so do not release the product or concentrated solutions into drains or waterways.

13. Disposal Considerations

Autoclave inoculated or used media before disposal. Do not pour unautoclaved media or powder into drains, because sodium azide can accumulate as explosive metal azides in plumbing. Dispose of unused powder through a licensed waste contractor.

14. Transport Information

Road and rail (ADG Code)	Not regulated as Dangerous Goods
Sea (IMDG)	Not regulated
Air (IATA)	Not regulated
UN number / Hazchem	None allocated
Marine pollutant	No

15. Regulatory Information

Australian WHS classification	Not a hazardous chemical
Poisons Standard (SUSMP)	Not scheduled as supplied
Dangerous Goods	Not classified

16. Other Information

Date of preparation	01/10/2025
Revision	1.0 — first issue
Basis of classification	Mixture rules (GHS Revision 7) applied to ingredient classifications and concentrations.

This Safety Data Sheet summarises health and safety information for the product as supplied. It does not replace a site-specific risk assessment. The information in this document is based on current technical knowledge and is provided in good faith for laboratory and technical evaluation purposes. It does not constitute a warranty of fitness for a particular purpose. Users are responsible for validating the product within their own methods and for complying with applicable regulations. AuSaMicS Pty Ltd accepts no liability for loss or damage arising from use of this information. © AuSaMicS Pty Ltd. All rights reserved.