



SAFETY DATA SHEET

SDS-AS-1102 | Actinomycete Isolation Agar
www.ausamics.com.au

Prepared in accordance with Australian WHS Regulations 2023 & GHS (Rev. 9) | Issue Date: July 2026 | Rev: 1.0

Section 1 — Identification

Product Name	Actinomycete Isolation Agar
Other Names	AC Agar; Actinomycete Isolation Medium; Olson's Actinomycete Agar
Catalogue No.	AS-1102
Intended Use	Selective microbiological culture medium — for laboratory use only
Supplier	AuSaMicS Pty Ltd, 31 Longview CT, Thomastown, VIC 3074, Australia
ABN	56 676 640 467
Phone	+61 412 520 598
Email / Web	support@ausamics.com / www.ausamics.com.au
Emergency (24h)	Poisons Information Centre: 13 11 26 (Australia)

Section 2 — Hazard Identification

GHS Classification	Not classified as a hazardous substance or mixture under the GHS / Australian WHS Regulations 2023
Signal Word	None allocated
Hazard Statements	None allocated
Pictograms	None required
Other Hazards	Fine powder may cause mechanical/nuisance irritation to eyes and respiratory tract if inhaled or if dust contacts eyes; not a physicochemical or toxicological hazard as supplied

Section 3 — Composition / Information on Ingredients

Component	CAS No.	Approx. %
Agar	9002-18-0	≈ 69%
Sodium propionate	137-40-6	≈ 18%
Sodium caseinate	9005-46-3	≈ 9%
Dipotassium phosphate	7758-11-4	≈ 2%
L-Asparagine	70-47-3	< 1%
Magnesium sulfate heptahydrate	10034-99-8	< 1%
Ferrous sulfate heptahydrate	7782-63-0	< 0.01%

Section 4 — First Aid Measures

Inhalation	Remove to fresh air. If irritation persists, seek medical advice.
Skin Contact	Wash with soap and water. No adverse effects expected.
Eye Contact	Rinse thoroughly with running water for several minutes, holding eyelids open. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Not expected to be harmful in small amounts; seek medical advice if discomfort occurs.

Section 5 — Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, foam, dry chemical, CO ₂ — not flammable or combustible under normal conditions
Specific Hazards	None known; decomposition may release oxides of carbon, nitrogen, phosphorus and sulfur
Protective Equipment	Self-contained breathing apparatus recommended for large fires involving other materials

Section 6 — Accidental Release Measures

Sweep up dry powder avoiding dust generation and place in a suitable waste container. Wet spills of prepared medium are slippery — clean promptly and rinse the area with water. Use PPE described in Section 8.

Section 7 — Handling and Storage

Handling	Avoid generating dust; use standard laboratory hygiene practices
Storage (dehydrated)	15–30 °C, tightly closed container, protected from moisture and direct light
Storage (prepared)	2–8 °C, protected from light
Incompatibilities	None known under normal use

Section 8 — Exposure Controls / Personal Protection

Exposure Limits	No specific exposure standard established (Safe Work Australia)
Engineering Controls	General ventilation; local exhaust when handling bulk dry powder

Respiratory Protection	Dust mask recommended when weighing/handling large quantities of dry powder
Eye Protection	Safety glasses recommended
Hand Protection	Laboratory gloves recommended for prepared/hot medium handling

Section 9 — Physical and Chemical Properties

Appearance	Cream to light beige powder (dehydrated)
Odour	Faint, characteristic
pH (1% w/v aqueous, prepared)	8.1 ± 0.2 at 25 °C
Solubility	Disperses in water on heating to form a gel on cooling
Flammability	Not flammable

Section 10 — Stability and Reactivity

Stable under recommended storage conditions. No hazardous reactions known under normal use. Avoid prolonged exposure to moisture and heat prior to preparation.

Section 11 — Toxicological Information

No specific toxicological data available for the mixture. Individual components are common laboratory/food-grade ingredients with well-established low-hazard profiles at the concentrations present. Not expected to be acutely toxic via oral, dermal, or inhalation routes under normal use.

Section 12 — Ecological Information

No specific ecotoxicological data available for the mixture. Components are readily biodegradable (agar, casein, sodium propionate). Avoid large-scale discharge to waterways as a matter of good practice.

Section 13 — Disposal Considerations

Dispose of prepared/used media by autoclaving prior to disposal where microbiological contamination is possible, in accordance with local biological waste regulations. Dehydrated powder may be disposed of as general laboratory waste in accordance with local regulations.

Section 14 — Transport Information

Not classified as dangerous goods for transport by road, rail, sea (IMDG) or air (IATA).

Section 15 — Regulatory Information



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All components are listed on the Australian Inventory of Industrial Chemicals (AIIC). This product is not classified as hazardous under the WHS Regulations 2023 / GHS Rev. 9.

Section 16 — Other Information

This SDS has been prepared by AuSaMicS Pty Ltd based on available data for the individual raw materials and standard formulations of this culture medium. Information is believed accurate at the date of issue but is provided without warranty; users must assess suitability for their own conditions of use.

Disclaimer

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