

Tryptic Soy Agar (TSA / CASO Agar)

Catalogue No. AS-1370 · Australian WHS Regulations 2023 · GHS 7th Edition

Section 1 — Identification

Product Name	Tryptic Soy Agar (TSA / CASO Agar)
Other Names	CASO Agar; Casein Soya Bean Digest Agar; Soybean-Casein Digest Agar (SCDA); Tryptone Soya Agar
Catalogue No.	AS-1370
Intended Use	General-purpose non-selective culture medium for microbiological cultivation, enumeration, sterility testing, and environmental monitoring. Laboratory use only.
Supplier	AuSaMicS Pty Ltd
Address	31 Longview CT, Thomastown, VIC 3074, Australia
ABN	ABN: 56 676 640 467
Phone	+61 412 520 598
Email	support@ausamics.com.au
Website	www.ausamics.com.au
Emergency Telephone	Poisons Information Centre: 13 11 26 (Australia, 24 hr)
SDS Revision	2026 Rev. 2

Section 2 — Hazard Identification

GHS Classification: NOT classified as a hazardous substance under Australian WHS Regulations 2023 at intended use concentrations.

Signal Word: None required.

Hazard Statements: None required.

Other Hazards:

Combustible dry powder. Dust may cause mild respiratory irritation. No PBT or vPvB components at $\geq 0.1\%$.

Section 3 — Composition

Component	g/L	CAS No.	Hazard Classification
Pancreatic Digest of Casein	15.0	91079-38-8	Not classified
Papaic Digest of Soybean Meal	5.0	68153-28-6	Not classified
Sodium Chloride	5.0	7647-14-5	Not classified at use level
Agar	15.0	9002-18-0	Not classified

Section 4 — First Aid Measures

Inhalation	Remove to fresh air. Seek medical advice if respiratory symptoms persist.
Skin Contact	Wash with soap and water for ≥15 min. No significant hazard expected.
Eye Contact	Irrigate with water for ≥15 min. Seek medical advice if irritation persists.
Ingestion	Rinse mouth. Drink 200 mL water. Call Poisons Centre 13 11 26 if unwell. No significant acute toxicity.

Section 5 — Fire-Fighting

Flammability	Combustible solid. Not classified flammable.
Extinguishing Media	Water spray, CO ₂ , dry chemical.
Combustion Products	CO, CO ₂ , NO _x (from protein decomposition).

Section 6 — Accidental Release

Personal Precautions	Avoid generating dust. Wear P1 respirator, safety glasses, and gloves.
Clean-up	Sweep or vacuum carefully. Collect in sealed container. Dispose per Section 13.

Section 7 — Handling and Storage

Handling	Avoid generating dust. Work in ventilated area. Wear lab coat and gloves when handling inoculated cultures.
Storage Powder	15–25°C, tightly sealed, dry, protected from light.
Storage Prepared	2–8°C, inverted, protected from desiccation and light. Use within 4 weeks.
Incompatibilities	No significant incompatibilities under normal laboratory conditions.

Section 8 — Exposure Controls / PPE

WES (Safe Work Australia)	No specific WES established. Apply good laboratory practice.
Respiratory	P1 particulate filter when weighing bulk powder.
Eye/Face	Safety glasses for powder handling. Goggles not required for routine use.
Skin	Nitrile gloves when handling inoculated cultures. Lab coat.
Engineering	General laboratory ventilation. No LEV required for routine preparation.

Section 9 — Physical & Chemical Properties

Physical State	Solid (powder)
Colour	Light beige to cream
Odour	Faint characteristic odour
pH (prepared, 25°C)	7.3 ± 0.2
Solubility (water)	40 g/L with heating
Flash Point	Not applicable (solid)
Flammability	Combustible solid

Section 10 — Stability and Reactivity

Stability	Stable under recommended storage conditions.
Conditions to Avoid	Excessive heat (above 40°C), moisture, direct sunlight.
Decomposition Products	On combustion: CO, CO ₂ , NO _x , H ₂ O.

Section 11 — Toxicological Information

Acute Toxicity: Not classified. All components are food-grade or GRAS (Generally Recognised as Safe) at supplied concentrations.

Irritation: Not classified. Dust may cause mild mechanical irritation to respiratory tract and eyes.

Carcinogenicity: Not classified. Not listed IARC/NTP.

Reproductive Toxicity: Not classified.

Mutagenicity: Not classified.

Section 12 — Ecological Information

Aquatic Toxicity	Not classified as environmentally hazardous. Biodegradable protein and carbohydrate components.
Persistence	Readily biodegradable under aerobic conditions.

Section 13 — Disposal

Inoculated Agar / Plates	Autoclave at 121°C for 15 min before disposal as microbiological waste per institutional procedures.
Unused Medium	Dispose as general waste per local regulations.

Section 14 — Transport

UN Number	Not regulated as dangerous goods
Transport Hazard Class	None — ADG, IMDG, IATA

Section 15 — Regulatory Information

Prepared per: Australian WHS Regulations 2023 | GHS 7th Edition | Safe Work Australia COP 2021.

AICIS Status: Components listed on Australian Inventory of Industrial Chemicals.

Section 16 — Other Information

Prepared By	AuSaMicS Pty Ltd
Contact	support@ausamics.com.au
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Disclaimer

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