



SAFETY DATA SHEET

AS-1379 | Yeast Extract Agar
www.ausamics.com.au

Safety Data Sheet

Yeast Extract Agar | Catalogue No. AS-1379

Prepared in accordance with the Australian WHS Regulations and GHS (7th Edition)

SECTION 1 — Identification

Product Name	Yeast Extract Agar
Catalogue Number	AS-1379
Intended Use	Nutritive solid medium for plate count of microorganisms in water — laboratory use only
Supplier	AuSaMicS Pty Ltd 31 Longview CT, Thomastown, VIC 3074, Australia
ABN	56 676 640 467
Emergency	Poisons Information Centre: 13 11 26 (Australia, 24 hr) +61 412 520 598
Email	support@ausamics.com.au
Website	www.ausamics.com.au

SECTION 2 — Hazard Identification

GHS Classification: Not classified as a hazardous substance under Australian WHS Regulations 2011 (GHS criteria). All components are of low hazard at the concentrations present.

Signal Word: None required

Hazard Statements: None applicable

Precautionary Statements: P260 — Do not breathe dust. P264 — Wash hands after handling. P270 — Do not eat, drink, or smoke. P501 — Dispose per applicable regulations.

SECTION 3 — Composition / Information on Ingredients

Component	CAS Number	Proportion	GHS Classification
Peptone (Enzymatic Digest)	73049-73-7	~21.7%	Not classified



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Yeast Extract	8013-01-2	~13.0%	Not classified
Agar	9002-18-0	~65.2%	Not classified

All components are of natural biological origin and not classified as hazardous under GHS at these concentrations.

SECTION 4 — First Aid Measures

Inhalation	Remove to fresh air. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. No specific treatment required.
Eye Contact	Flush with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Rinse mouth with water. Product is of low toxicity. Seek medical advice if large quantities ingested.
Most important symptoms	Dust may cause mild mechanical irritation of eyes and upper respiratory tract.

SECTION 5 — Fire-Fighting Measures

Flammability	Not flammable under normal conditions
Extinguishing media	CO ₂ , dry chemical, or water spray
Decomposition products	CO, CO ₂ , nitrogen oxides on combustion
PPE	SCBA if involved in fire

SECTION 6 — Accidental Release Measures

Powder spill: Avoid dust generation. Wear P1 mask and nitrile gloves. Sweep up carefully into a sealed container.

Inoculated medium spill: Treat as potential biohazard. Disinfect with 1% sodium hypochlorite. Autoclave all contaminated material at 121 °C for 30 minutes before disposal.

SECTION 7 — Handling and Storage



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Handling: Standard laboratory precautions. Avoid generating dust. Do not eat, drink, or smoke. Wash hands thoroughly after use.

Storage: Dehydrated powder: 15–30 °C, tightly sealed, dry. Prepared plates: 2–8 °C inverted, sealed in bag, use within 2 weeks.

SECTION 8 — Exposure Controls / Personal Protection

OEL	No specific WES. Apply general inhalable dust limit: 10 mg/m ³ (AU WES).
Respiratory	P1 dust mask for powder handling in poorly ventilated areas
Eye protection	Safety glasses recommended for powder handling
Skin protection	Disposable nitrile gloves; lab coat
Engineering controls	Well-ventilated laboratory
Hygiene	Wash hands before eating, drinking, or leaving the laboratory

SECTION 9 — Physical and Chemical Properties

Appearance (powder)	Light beige to cream fine powder
Appearance (prepared)	Clear to pale amber solid agar
Odour	Faint characteristic yeast/broth odour
pH (prepared, 25 °C)	7.2 ± 0.2
Solubility	Soluble in hot water; gels on cooling below ~45 °C
Moisture content	≤ 5.0%
Flammability	Not flammable

SECTION 10 — Stability and Reactivity

Stability	Stable under recommended storage conditions
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Conditions to avoid	Moisture, heat (>40 °C), direct light
Incompatible materials	Strong oxidising agents, strong acids, strong alkalis
Decomposition products	CO, CO ₂ , nitrogen oxides on combustion
Polymerisation	Will not occur

SECTION 11 — Toxicological Information

Acute oral toxicity	Not classified; all components of low oral toxicity at these concentrations
Skin irritation	Not classified
Eye irritation	Dust may cause mild mechanical irritation
Carcinogenicity	No components listed as carcinogens (IARC, NTP, OSHA)
Biological hazard	Inoculated plates may contain environmental or pathogenic organisms — handle with appropriate precautions

SECTION 12 — Ecological Information

Aquatic toxicity	Not classified as hazardous to aquatic organisms
Biodegradability	All components are readily biodegradable
Bioaccumulation	Not expected to bioaccumulate

SECTION 13 — Disposal Considerations

Uninoculated medium: Dispose as general laboratory waste per local EPA regulations.

Inoculated plates: Autoclave at 121 °C for 30 minutes to inactivate all viable organisms. Dispose per institutional policy.

SECTION 14 — Transport Information

UN Number	Not applicable
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Proper shipping name	Not regulated as dangerous goods
ADG / IATA / IMDG	Not classified
Special precautions	Keep dry during transport

SECTION 15 — Regulatory Information

WHS Regulations 2011	Not classified as hazardous
AICC	All components listed
Transport	Not classified as dangerous goods

SECTION 16 — Other Information

Prepared by	AuSaMicS Pty Ltd — Quality Assurance
Date	March 2026
Version	1.1
GHS version	7th Edition (2017)
Supersedes	Version 1.0 — March 2026

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