



Safety Data Sheet

SDS-AS-1382
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Prepared in accordance with Australian WHS Regulations 2017 & GHS (7th Revision) | Issue Date: March 2026 | Rev: 1.0

Section 1 — Identification

Product Name	Yeast Mold Agar (YM Agar, YMA)
Other Names	YM Agar; YMA; Yeast-Malt Extract Agar; Wickerham's YM Agar
Catalog No.	AS-1382
Intended Use	General-purpose fungal 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 hazardous under GHS / WHS Regulations 2017
Signal Word	None required
Hazard Statements	None allocated
Precautionary Stmts.	P260 · P262 · P264 · P270 · P272 · P501
Pictograms	None required
Other Hazards	Dust may cause mild mechanical eye/respiratory irritation. Culture medium may support growth of pathogenic fungi if inoculated — handle cultures with appropriate containment (PC1/PC2 as applicable).

Section 3 — Composition / Information on Ingredients

Component	CAS No.	Proportion (w/w)	GHS Classification
Agar (bacteriological)	9002-18-0	~48.8%	Not classified



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Component	CAS No.	Proportion (w/w)	GHS Classification
Dextrose (Glucose)	50-99-7	~24.4%	Not classified
Peptone	—	~12.2%	Not classified
Malt Extract	8002-48-0	~7.3%	Not classified
Yeast Extract	8013-01-2	~7.3%	Not classified

Section 4 — First Aid Measures

Inhalation	Remove to fresh air. If respiratory irritation from dust persists, seek medical advice.
Skin Contact	Wash with soap and water. Remove contaminated clothing. No special treatment required.
Eye Contact	Rinse with copious water for at least 15 minutes, holding eyelids open. Seek medical advice if irritation persists.
Ingestion	Do not induce vomiting. Rinse mouth with water. Seek medical advice. Product has low acute toxicity. Components are food-grade or GRAS.
Medical Note	No specific antidote. Treat symptomatically.

Section 5 — Fire-Fighting Measures

Flash Point	Not applicable (non-flammable powder)
Extinguishing Media	CO ₂ , dry chemical powder, or water spray suitable for surrounding fire
Hazardous Products	CO, CO ₂ , and nitrogen oxides possible at high temperatures
Fire-Fighting PPE	SCBA in enclosed spaces

Section 6 — Accidental Release Measures

Personal Precautions	Avoid dust generation. Wear gloves and dust mask. Ventilate area.
Environmental	Prevent entry into drains, waterways, or soil.



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Clean-up Collect dry powder with vacuum or damp cloth. Avoid dry sweeping. Dispose per Section 13.

Section 7 — Handling and Storage

Handling	Well-ventilated area. Avoid dust inhalation. Standard lab PPE. Do not eat or drink during handling. Handle inoculated cultures with appropriate biosafety precautions.
Storage — Dehydrated	15–30 °C, dry, tightly closed, protected from light and humidity
Storage — Prepared	2–8 °C, sealed, protected from light; use within 2 weeks of preparation
Incompatible Materials	Strong oxidising agents; concentrated acids and bases

Section 8 — Exposure Controls / Personal Protection

OEL (Safe Work Australia)	No specific WES established for this mixture
Engineering Controls	Local exhaust ventilation where dust generation is possible
Respiratory	P2 dust mask if generating significant dust
Hand Protection	Nitrile or latex gloves (EN 374 / AS/NZS 2161)
Eye Protection	Safety glasses with side shields
Body Protection	Laboratory coat and closed footwear
Biosafety	When culturing fungi: use PC1 (saprophytes) or PC2 (opportunistic pathogens such as Candida, Aspergillus) containment as appropriate per organism risk group

Section 9 — Physical and Chemical Properties

Property	Value
Physical State (25 °C)	Solid (powder)
Colour	Pale cream to light beige
Odour	Faint, characteristic (malt/yeast)



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Property	Value
pH (prepared medium, 25 °C)	6.2 ± 0.2
Melting / Solidification	Gels ≈ 32–34 °C / Melts ≈ 84–86 °C (agar)
Flash Point	Not applicable
Vapour Pressure	Negligible
Solubility	41.0 g/L in purified water on heating
Explosive / Oxidising	Not explosive; not oxidising

Section 10 — Stability and Reactivity

Stability	Stable under recommended storage conditions
Conditions to Avoid	Moisture, heat > 40 °C, direct sunlight, humidity > 70% RH
Materials to Avoid	Strong oxidising agents; concentrated acids and bases
Hazardous Decomposition	CO, CO ₂ , and nitrogen oxides on combustion

Section 11 — Toxicological Information

Acute Oral Toxicity	Low — all components are food-grade or Generally Regarded As Safe (GRAS)
Skin Irritation	Not expected to be irritating
Eye Irritation	Dust may cause mild mechanical irritation; not classified
Sensitisation	No known sensitisation effects
Carcinogenicity	Not classified (IARC, NTP)
Reproductive Toxicity	Not classified
STOT	Not classified

Section 12 — Ecological Information



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Aquatic Toxicity	Not expected to be harmful at typical spill concentrations
Biodegradability	All components are biodegradable
Bioaccumulation	Not expected
Soil Mobility	Low — agar gels on contact with moisture

Section 13 — Disposal Considerations

Waste Classification	General laboratory waste — not classified as hazardous waste
Prepared Medium (used)	Autoclave at 121 °C for 30 min before disposal. Treat as biohazardous waste if inoculated with fungal cultures.
Prepared Medium (unused)	Autoclave before disposal or dispose via licensed contractor
Dehydrated Powder	Dispose as general chemical waste via licensed contractor
Containers	Rinse with water before disposal or recycling

Section 14 — Transport Information

UN Number	Not regulated as dangerous goods
ADG (Australia)	Not classified
IATA / ICAO	Not restricted
IMDG	Not classified

Section 15 — Regulatory Information

AICS (Australia)	All components listed on the Australian Inventory of Chemical Substances (AICS)
SUSMP Schedule	Not scheduled
WHS Regulations	Not classified as a hazardous chemical under WHS Regulations 2017
REACH (EU)	Components comply with REACH Regulation (EC) No. 1907/2006



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Section 16 — Other Information

SDS Prepared By	AuSaMicS Pty Ltd — Technical & Quality Department
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Review Date	March 2027 or upon regulatory change
Key References	Safe Work Australia; GHS 7th Rev.; WHS Regulations 2017; AS/NZS 2243.3:2010

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