

SAFETY DATA SHEET

Modified Melin-Norkrans (MMN) Medium

CAS: Mixture | Catalog: AS-1396 | Prepared in accordance with GHS/SDS requirements

Issue Date: 2025 | Revision: 1.0

SECTION 1 — IDENTIFICATION

Product Name	Modified Melin-Norkrans (MMN) Medium
Catalog Number	AS-1396
Intended Use	Microbiological culture medium — laboratory research use only
Supplier	AuSaMicS Pty Ltd, Australia
Emergency Contact	Poisons Information Centre (Australia): 13 11 26
Website	ausamics.com.au

SECTION 2 — HAZARD IDENTIFICATION

GHS Classification: Not classified as a hazardous substance under GHS criteria based on available data for this mixture.

Signal Word: Not required. No GHS hazard pictograms assigned.

Precautionary Statements:

- P260 — Avoid breathing dust
- P264 — Wash hands thoroughly after handling
- P270 — Do not eat, drink, or smoke when using this product
- P280 — Wear protective gloves and eye/face protection
- P501 — Dispose of contents in accordance with local regulations

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	Approx. %	Hazard Class
Glucose	50-99-7	~35%	Not hazardous
Agar	9002-18-0	~52%	Not hazardous
Malt extract	Mixture	~10%	Not hazardous
Mineral salts & Thiamine	Various	< 3%	Not hazardous at use levels

SECTION 4 — FIRST AID MEASURES

Route	First Aid Action
Eye Contact	Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact	Wash with soap and water.
Inhalation	Move to fresh air. Seek medical attention if difficulties develop.
Ingestion	Rinse mouth. Contact Poisons Information Centre (13 11 26) if large amounts ingested.

SECTION 5 — FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Water spray, foam, dry powder, CO₂
- Not classified as flammable
- Fire-fighters: wear SCBA and full protective clothing

SECTION 6 — ACCIDENTAL RELEASE MEASURES

- Wear gloves and eye protection; avoid dust generation
- Sweep carefully or vacuum; dispose per local regulations

SECTION 7 — HANDLING AND STORAGE

Aspect	Guidelines
Handling	Avoid dust; do not eat/drink/smoke; wash hands after use.
Storage	Dehydrated: 15–30°C, dry, sealed. Prepared: 2–8°C, protected from light.
Incompatibilities	Strong oxidising agents; concentrated acids and bases.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

PPE	Specification
Respiratory	General ventilation sufficient; P2 dust mask for large quantities.
Hands / Eyes	Nitrile gloves; safety glasses.
OEL	No specific OEL established. Apply good laboratory practice.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Solid (free-flowing powder)
Colour	Light cream to pale yellow
pH (prepared, 25°C)	5.6 ± 0.2

Solubility	Soluble in water on heating
Flammability	Not classified as flammable
Vapour Pressure	Negligible (solid)

SECTION 10 — STABILITY AND REACTIVITY

- Stable under recommended storage conditions
- Avoid: high temperatures, moisture, strong direct light
- Hazardous decomposition: nitrogen oxides upon combustion

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Low — ingredients are food-grade or laboratory-grade materials
Skin/Eye Irritation	Mild irritation possible on prolonged contact
Carcinogenicity / Mutagenicity	Not classified

SECTION 12 — ECOLOGICAL INFORMATION

- Not classified as acutely aquatic toxic
- Readily biodegradable (organic components)
- Avoid large-scale discharge to waterways

SECTION 13 — DISPOSAL CONSIDERATIONS

- Dispose per local and national regulations
- Autoclave prepared medium before disposal as biological waste where applicable

SECTION 14 — TRANSPORT INFORMATION

UN Number	Not classified as dangerous goods (ADG / IATA / IMDG)
Special Notes	Keep dry during transport

SECTION 15 — REGULATORY INFORMATION

Prepared culture medium — HS Code 3821.00.00. Intended exclusively for laboratory research use. Not subject to food, therapeutic goods, or agricultural chemical regulations.

SECTION 16 — OTHER INFORMATION



Safety Data Sheet (GHS)

SDS-AS-1396
ausamics.com.au

Prepared By	AuSaMicS Pty Ltd — Quality & Regulatory Affairs
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