

Agarose Powder — Molecular Biology Grade

Catalogue No. AS-1015 · Low EEO · For Gel Electrophoresis

Section 1 — Identification

Product Name	Agarose Powder — Molecular Biology Grade
Catalogue Number	AS-1015
Product Use	Agarose Powder — Molecular Biology Grade for laboratory and research applications
Supplier	AuSaMicS Pty Ltd
Address	31 Longview CT, Thomastown, VIC 3074, Australia
ABN	56 676 640 467
Emergency Contact	+61 412 520 598
Email	support@ausamics.com.au
Emergency Telephone	Poisons Information Centre: 13 11 26 (Australia, 24 hr)
SDS Prepared	Feb 2024
SDS Revision	Rev. 1

Section 2 — Hazard Identification

GHS Classification (WHS Regulations 2023 / GHS 7th Edition):

This product is NOT classified as a hazardous substance or dangerous goods under Australian WHS Regulations 2023 (GHS 7th Edition).

Signal Word: None.

Section 3 — Composition / Information on Ingredients

Component	CAS No.	Concentration	Hazard Class
Agarose (polysaccharide)	9012-36-6	~100%	Not hazardous

Section 4 — First Aid Measures

Route	First Aid Measure
Inhalation	Remove to fresh air. If symptoms persist, seek medical attention.
Skin Contact	Wash with soap and water. If irritation develops, seek medical advice.
Eye Contact	Irrigate with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Rinse mouth. Give water to drink. Seek medical advice if large amounts ingested.

Section 5 — Fire-Fighting Measures

Flammability	Combustible solid — fine dust may present explosion risk if dispersed
Suitable Extinguishing Media	Water spray, foam, dry powder, CO ₂
Combustion Products	Oxides of carbon, nitrogen, sodium
Protective Equipment	SCBA and full protective clothing

Section 6 — Accidental Release Measures

Personal Precautions	Avoid generating dust. Use appropriate PPE. Keep unnecessary personnel away.
Environmental Precautions	Prevent entry into drains, sewers, or waterways.
Clean-up	Carefully sweep or vacuum. Transfer to sealed, labelled container.

Section 7 — Handling and Storage

Handling	Avoid inhalation of dust. Wash hands after handling. Use in well-ventilated area.
Storage	Store as per product label. Store at 15–25°C in tightly sealed container, in a dry place.
Incompatibilities	Strong oxidising agents, strong acids and bases.

Section 8 — Exposure Controls / Personal Protection

Respiratory Protection	P1/P2 particulate filter if dust generated during weighing
Eye/Face Protection	Safety glasses / goggles when handling
Skin Protection	Nitrile gloves (min 0.11 mm). Lab coat and closed-toe footwear.
Hygiene	Wash hands after handling. Do not eat, drink, or smoke in work area.
Ventilation	General laboratory ventilation sufficient under normal conditions.

Section 9 — Physical and Chemical Properties

Physical State	Powder
Colour	Off-white to white
Odour	Faint characteristic odour
pH	Not applicable (solid)
Solubility	Freely soluble in water
Flash Point	Not applicable (solid/liquid — no flash point below 100°C)
Flammability	Combustible

Section 10 — Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions
Conditions to Avoid	Moisture, heat above 40°C, open flames
Incompatible Materials	Strong oxidisers, concentrated acids and bases
Hazardous Decomposition	On combustion: oxides of carbon, nitrogen, sodium/potassium

Section 11 — Toxicological Information

Acute Toxicity: No data available for the mixture. All individual components are of low acute toxicity at relevant concentrations.

Skin/Eye Irritation: Not expected to cause significant irritation under normal laboratory use.

Carcinogenicity: No components classified as carcinogenic under Australian WHS Regulations 2023.

Section 12 — Ecological Information

Aquatic Toxicity	Not expected to be harmful at quantities from normal laboratory use
Persistence / Degradability	Components are readily biodegradable (except EDTA — moderately persistent)
Bioaccumulative Potential	Not expected to bioaccumulate

Section 13 — Disposal Considerations

Waste Disposal	Dispose per AS/NZS and local council regulations. Autoclave biological material before disposal.
Regulatory Reference	Environment Protection Act 2017 (Vic); relevant State/Territory EPA requirements.

Section 14 — Transport Information

UN Number	Not regulated
Transport Hazard Class	None — ADG Code (Australia), IMDG, IATA
Environmental Hazards	Not a marine pollutant

Section 15 — Regulatory Information

This SDS has been prepared in accordance with: Australian Work Health and Safety (WHS) Regulations 2023; Safe Work Australia Code of Practice (2021); GHS 7th Revised Edition (UN, 2017).

AICIS Status: All components are listed on the Australian Inventory of Industrial Chemicals (AIIC) or are exempt from notification.

Poisons Standard (SUSMP): Not scheduled.

Section 16 — Other Information

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