SOC Medium

Catalogue No. AS-1428

Date of issue: 27/09/2024 | **Revision:** 1.0 | **Supersedes:** New issue

1. Identification

Product identifier	SOC Medium (dehydrated base)
Catalogue number	AS-1428
Recommended use	Dehydrated culture medium for molecular biology laboratory use.
Restrictions on use	For laboratory microbiological testing, quality control and research use only. Not intended for direct use in food, human or veterinary therapeutic applications, diagnosis, or consumption.
Supplier	AuSaMicS Pty Ltd 36/25 Trafalgar Road, Epping VIC 3076, Australia ABN 56 676 640 467
Contact	Phone: +61 412 520 598 Email: support@ausamics.com Web: www.ausamics.com.au
Emergency telephone	Poisons Information Centre (Australia, 24 h): 13 11 26 Supplier (business hours): +61 412 520 598

2. Hazard Identification

Not classified as hazardous according to the criteria of the WHS Regulations (GHS Revision 7). Not classified as Dangerous Goods for transport.

GHS classification	Not classified
Signal word	None
Hazard pictograms	None
Hazard statements	None
Other hazards	Fine powder may form dust. Organic dust may be combustible. Treat inoculated media as potentially infectious.

3. Composition / Information on Ingredients

Mixture. Percentages are w/w in the dehydrated powder.

Ingredient	CAS No.	Content (% w/w)	GHS classification
Tryptone (pancreatic digest of casein)	91079-40-2	71.2	Not classified
Yeast extract	8013-01-2	17.8	Not classified
Magnesium sulfate, anhydrous	7487-88-9	8.5	Not classified
Sodium chloride	7647-14-5	1.8	Not classified
Potassium chloride	7447-40-7	0.7	Not classified

4. First Aid Measures

Inhalation	Move to fresh air. Seek medical advice if symptoms persist.
Skin contact	Wash with soap and water.

Eye contact	Rinse with water for several minutes. Seek medical advice if irritation persists.
Ingestion	Rinse mouth with water. Seek medical advice if you feel unwell.
Advice to doctor	Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing media	Water spray, foam, dry chemical powder or carbon dioxide.
Specific hazards	Combustible organic dust. Combustion produces carbon oxides, nitrogen oxides, sulfur oxides and hydrogen chloride.
Advice for fire fighters	Wear self-contained breathing apparatus.
Hazchem code	None allocated

6. Accidental Release Measures

Personal precautions	Avoid generating dust. Wear gloves and eye protection.
Environmental precautions	Avoid release of large quantities into drains.
Clean-up	Sweep or vacuum without raising dust and place in a container for disposal. Wipe the area with a damp cloth.

7. Handling and Storage

Safe handling	Avoid breathing dust. Follow good laboratory practice. Wash hands after handling.
Storage conditions	Store at 15–25 °C in a dry place with the container tightly closed.
Incompatible materials	Strong oxidising agents.

8. Exposure Controls / Personal Protection

Workplace exposure standards	None assigned. Keep inhalable dust as low as reasonably practicable.
Engineering controls	Weigh in a ventilated area.
Eye protection	Safety glasses (AS/NZS 1337.1).
Hand protection	Nitrile gloves.
Respiratory protection	P2 particulate respirator (AS/NZS 1716) if dust is generated.
Body protection	Laboratory coat.

9. Physical and Chemical Properties

Appearance	Cream to light yellow, free-flowing powder
Odour	Characteristic
pH	7.0 ± 0.2 (prepared medium, 25 °C)
Solubility	Soluble in water
Flammability	Not flammable; combustible dust

10. Stability and Reactivity

Reactivity	No hazardous reactions under normal conditions.
Chemical stability	Stable when stored as recommended. Hygroscopic.
Conditions to avoid	Moisture and heat.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Carbon oxides, nitrogen oxides, sulfur oxides and hydrogen chloride.

11. Toxicological Information

Acute toxicity	Not classified. No component is classified for acute toxicity.
Skin / eye irritation	Not classified. Dust may cause mechanical irritation.
Sensitisation	Not classified.
Carcinogenicity / mutagenicity / reproductive toxicity	Not classified.

12. Ecological Information

Not classified as hazardous to the aquatic environment. The organic components are biodegradable.

13. Disposal Considerations

Dispose of unused powder in accordance with local regulations. **Autoclave inoculated or used media before disposal.** Genetically modified organisms must be inactivated according to your institutional biosafety requirements.

14. Transport Information

Road and rail (ADG Code)	Not regulated as Dangerous Goods
Sea (IMDG)	Not regulated
Air (IATA)	Not regulated
UN number / Hazchem	None allocated
Marine pollutant	No

15. Regulatory Information

Australian WHS classification	Not a hazardous chemical
Poisons Standard (SUSMP)	Not scheduled
Dangerous Goods	Not classified

16. Other Information

Date of preparation	27/09/2024
Revision	1.0 — first issue
Basis of classification	Assessment of ingredient data; no ingredient meets GHS classification criteria.

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