AuSaMicS™ Life Science

SAFETY DATA SHEET

SDS-AS-717

www.ausamics.com.au

Coliform / *E. coli* Chromogenic Contact Plates

Catalogue No. AS-717 · Prepared in accordance with the Safe Work Australia Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals · Issue date: 15 November 2026 · Rev 1.0

1. Identification

Product identifier	Coliform / E. coli Chromogenic Contact Plates
Catalogue No.	AS-717
Recommended use	Laboratory microbiological testing: surface and environmental monitoring
Restrictions on use	Not for human or veterinary use, diagnosis, or consumption
Supplier	Ausamics Pty Ltd, 36/25 Trafalgar Road, Epping, VIC 3076, Australia
ABN	56 676 640 467
Telephone / email	+61 412 520 598 · support@ausamics.com
Emergency	000 (Australia) · Poisons Information Centre 13 11 26

2. Hazard Identification

GHS classification	Not classified as hazardous according to the criteria of the GHS (Rev. 7) as adopted under the Australian WHS Regulations
Signal word	None
Pictograms	None required
Hazard statements	None
Precautionary statements	None required. Follow good laboratory practice.
Other hazards	Used plates may contain viable coliforms and E. coli. Handle and dispose of them as biological waste.

3. Composition / Information on Ingredients

Mixture: aqueous agar gel in plastic contact plates.

Ingredient	CAS No.	Concentration (% w/w, approx.)
Water	7732-18-5	> 95
Agar	9002-18-0	1.4
Meat peptone	73049-73-7	1.0
Yeast extract	8013-01-2	0.7
Sodium chloride	7647-14-5	0.5
Sodium dodecyl sulfate	151-21-3	0.02

Ingredient	CAS No.	Concentration (% w/w, approx.)
Magenta-Gal	93863-88-8	0.008
Chromogenic mixture	Proprietary	< 0.01

4. First-Aid Measures

Inhalation	Not a likely route of exposure.
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 unwell.
Used plates	After contact with used (inoculated) plates, wash thoroughly and follow the laboratory biosafety procedure. Seek medical advice if symptoms develop.

5. Fire-Fighting Measures

Extinguishing media	Use media appropriate to the surrounding fire.
Specific hazards	Plastic packaging may release carbon oxides on combustion.
Protective equipment	Self-contained breathing apparatus for fires involving packaging.
Hazchem code	None allocated

6. Accidental Release Measures

Unused plates	Collect and dispose of as general laboratory waste.
Used plates	Treat as biological waste. Decontaminate the area with a suitable disinfectant and dispose of according to the laboratory biosafety procedure.

7. Handling and Storage

Handling	Use good laboratory practice. Open plates only at the time of sampling.
Storage	Store at 2–8 °C in the dark, in the original sleeve. Do not freeze.

8. Exposure Controls / Personal Protection

Exposure standards	No workplace exposure standards assigned for this mixture.
Engineering controls	None required for unused plates. Handle used plates in a biological safety cabinet where required.
Personal protection	Laboratory coat and disposable gloves; safety glasses per laboratory policy.

9. Physical and Chemical Properties

Appearance	Gel in 55 mm plastic contact plates
Odour	Slight, characteristic
pH	7.2 ± 0.2 (25 °C)
Melting point	Gel melts at approximately 85 °C
Flammability	Not flammable

10. Stability and Reactivity

Stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, freezing, direct light.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition	None under normal conditions.

11. Toxicological Information

Assessment	No toxicological data are available for the mixture. Because all components are present at low concentrations, no adverse health effects are expected under normal use.
Classification	Not classified for acute toxicity, irritation, sensitisation, mutagenicity, carcinogenicity or reproductive toxicity.

12. Ecological Information

Assessment	No ecological data are available. Components are not expected to be harmful to aquatic life at the concentrations present.

13. Disposal Considerations

Unused plates	General laboratory waste, according to local regulations.
Used plates	Used plates contain viable microorganisms. Autoclave (121 °C, at least 15 minutes) or incinerate. If neither is possible, flood plates with 5–10 % bleach, leave overnight, then discard according to local regulations.

14. Transport Information

Unused plates	Not dangerous goods under ADG, IATA or IMDG
Used plates / cultures	Unused plates are not dangerous goods. Transport at 2–8 °C where possible.

15. Regulatory Information

Poisons Standard (SUSMP)	Not scheduled
AICIS	Users should confirm inventory status for their own use

16. Other Information

Date of preparation	15 November 2026
Revision	1.0
Abbreviations	GHS: Globally Harmonized System; PC2: Physical Containment Level 2; SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons

The information in this Safety Data Sheet is based on current knowledge and is intended to describe the product for safety purposes only. It does not constitute a warranty of specific properties. Ausamics Pty Ltd provides this document in good faith based on current knowledge. For laboratory use only. The user is responsible for determining the suitability of this product for their intended application and for ensuring its proper use, handling, and storage. Ausamics Pty Ltd does not warrant the suitability or performance of this product for any specific application unless expressly agreed in writing. To the extent permitted by applicable law, Ausamics Pty Ltd accepts no liability for loss or damage arising from improper use or handling of this product.