



Safety Data Sheet

EC Medium / Broth with MUG | Cat. No. AS-1215

SDS - GHS Format

SECTION 1 - IDENTIFICATION

Product Name	EC Medium / Broth with MUG
Catalog No.	AS-1215
Recommended Use	Selective enrichment and fluorogenic detection of <i>Escherichia coli</i> in laboratory microbiology
Supplier	AuSaMicS Pty Ltd, 31 Longview CT, Thomastown VIC 3074, Australia
Emergency Contact	+61 412 520 598 support@ausamics.com.au
Emergency Services	Australia: 000 Poisons Information Centre: 13 11 26

SECTION 2 - HAZARD IDENTIFICATION

GHS Classification	Not generally classified as hazardous under normal laboratory use
Signal Word	None required
Hazard Statements	Powder may cause mild irritation to eyes, skin, or respiratory tract if dust is generated
Precautionary Statements	Avoid inhalation of dust. Wear suitable gloves, eye protection, and laboratory coat during bulk handling

SECTION 3 - COMPOSITION / INGREDIENTS

Component	Typical Content	Function
Pancreatic Digest of Casein (Tryptone)	20.0 g/L	Nutrient source
Lactose	5.0 g/L	Fermentable carbohydrate
Bile Salts No. 3	1.12 g/L	Selective inhibitor
Sodium Chloride	5.0 g/L	Osmotic balance
Dipotassium Phosphate	4.0 g/L	Buffering agent
Potassium Dihydrogen Phosphate	1.5 g/L	Buffering agent
4-Methylumbelliferyl-β-D-Glucuronide (MUG)	0.05 g/L	Fluorogenic substrate



SECTION 4 - FIRST AID MEASURES

Skin Contact	Wash with soap and water. Seek medical advice if irritation develops
Eye Contact	Rinse cautiously with water for several minutes. Seek medical advice if irritation persists
Inhalation	Move to fresh air if dust is inhaled. Seek medical advice if symptoms persist
Ingestion	Rinse mouth with water. Seek medical advice if discomfort occurs

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable Media	Water spray, foam, dry chemical, or carbon dioxide
Specific Hazards	Combustible organic components may generate smoke and carbon oxides when heated strongly
Protective Equipment	Use standard fire-fighting PPE and respiratory protection where required

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid generating dust. Wear gloves and eye protection during cleanup
Environmental Precautions	Prevent bulk release to drains and waterways
Clean-Up Methods	Sweep or vacuum into a suitable container. Wipe remaining residue with a damp cloth

SECTIONS 7-16 - HANDLING, STORAGE, PPE, STABILITY, DISPOSAL AND TRANSPORT

Handling	Use good laboratory practice. Avoid inhalation of dust and contact with eyes or skin
Storage	Dehydrated medium: 10-30 °C, tightly closed, protected from moisture and light. Prepared broth: 2-8 °C
PPE	Gloves, safety glasses, and laboratory coat recommended for bulk handling
Prepared Medium	Clear, light amber broth
Final pH	6.9 ± 0.2 at 25 °C
Stability	Stable under recommended storage conditions
Disposal	Dispose according to local laboratory and environmental regulations; autoclave microbiological waste before disposal
Transport	Typically not classified as dangerous goods



AuSaMicS Life Science™
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