



SAFETY DATA SHEET

Brilliant Green Phenol Red Lactose Sucrose (BPLS) Agar | Cat. No. AS-1147

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Brilliant Green Phenol Red Lactose Sucrose (BPLS) Agar

16-section GHS-style safety data sheet

SECTION 1 - IDENTIFICATION

Product Name	Brilliant Green Phenol Red Lactose Sucrose (BPLS) Agar
Catalog No.	AS-1147
Recommended Use	Selective and differential culture medium for laboratory microbiology
Supplier	AuSaMicS Pty Ltd, Thomastown VIC 3074, Australia
Emergency Contact	+61 412 520 598 support@ausamics.com.au
Poisons Information	Australia: 13 11 26

SECTION 2 - HAZARD IDENTIFICATION

GHS Classification	Not generally classified as hazardous under normal laboratory handling
Signal Word	None required
Pictograms	None required under normal classification
Hazard Statements	Dust may cause mild irritation to eyes, skin, or respiratory tract
Precautionary Statements	Use gloves, eye protection, and laboratory coat; avoid dust inhalation

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Component	Typical Content	Function
Proteose Peptone	10.0 g/L	Nutrient source
Yeast Extract	3.0 g/L	Growth factors
Lactose	10.0 g/L	Carbohydrate
Sucrose	10.0 g/L	Carbohydrate
Sodium Chloride	5.0 g/L	Osmotic balance
Phenol Red	0.08 g/L	Indicator
Brilliant Green	0.0125 g/L	Selective dye
Agar	20.0 g/L	Solidifying agent



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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.
Inhalation	Move person to fresh air and seek medical attention if symptoms persist.
Ingestion	Rinse mouth with water and seek medical advice if discomfort occurs.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, dry chemical, foam, or carbon dioxide
Specific Hazards	Combustible organic components may generate smoke and carbon/nitrogen oxides upon decomposition
Protective Equipment	Use self-contained breathing apparatus where required

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust generation; use gloves and eye protection
Environmental Precautions	Prevent large releases to drains and waterways
Clean-Up Methods	Sweep or vacuum material into a suitable container and wipe residue with damp absorbent material

SECTION 7 - HANDLING AND STORAGE

Handling	Use good laboratory practices and avoid dust inhalation
Storage	Store at 15–30 °C in a tightly closed container protected from moisture and humidity

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Adequate ventilation and standard laboratory controls
Eye Protection	Safety glasses or goggles
Skin Protection	Protective gloves and laboratory coat
Respiratory Protection	Normally not required; use particulate protection if dust is significant

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dehydrated powder
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Colour	Pink-beige to reddish-beige
Odour	Characteristic microbiological medium odour
Solubility	Dispersible / soluble in water on heating
pH	6.9 ± 0.2 at 25 °C

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended conditions
Conditions to Avoid	Moisture, excessive heat, prolonged overheating
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition	Carbon oxides, nitrogen oxides, and other combustion by-products

SECTION 11 - TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, eye contact, skin contact, ingestion
Acute Effects	May cause mild irritation if dust is generated
Chronic Effects	No specific chronic hazards known for normal laboratory handling of this mixture

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity	No specific ecological data available for the formulated mixture
Persistence / Degradability	Data not established
General Advice	Avoid uncontrolled environmental release

SECTION 13 - DISPOSAL CONSIDERATIONS

Product Disposal	Dispose according to local laboratory and environmental regulations
Contaminated Media	Autoclave used plates and contaminated materials before disposal

SECTION 14 - TRANSPORT INFORMATION

UN Number	Not regulated
Transport Class	Not classified as dangerous goods
Packing Group	Not applicable



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SECTION 15 - REGULATORY INFORMATION

Classification	Not generally classified as hazardous under normal laboratory use
Use Restriction	For laboratory use only; not for human or veterinary therapeutic use

SECTION 16 - OTHER INFORMATION

Document Version	Rev. 1.0
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Prepared By	AuSaMicS Pty Ltd - Quality & Regulatory Affairs

DISCLAIMER

This SDS has been prepared in a full 16-section GHS-style layout for professional laboratory documentation. It should be aligned with approved internal or jurisdiction-specific safety documentation before formal regulatory issue where required.