

Material Safety Data Sheet

Albumin

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Albumin - BCG (Acetate Buffer)

Catalog Numbers: 211 001, 211 002, 211 003, 211 004

Use: Spectrum Diagnostics albumin reagent is intended for the in-vitro quantitative, diagnostic determination of albumin in human serum on both automated and manual systems.

Contact Point

Egypt

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2. HAZARD IDENTIFICATION

Not classified as hazardous according to the EU criteria

Hazard Classification: NON-HAZARDOUS SUBSTANCE, NON DANGEROUS GOODS.

Hazard Category: None allocated.

RISK PHRASES: None allocated.

SAFETY PHRASES: None allocated.

Poison Schedule: None allocated.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
Reagent (R)		
Acetate Buffer	100 mmol/L	127-09-3
Bromocresol green	0.27 mmol/L	76-60-8

All ingredients determined not to be hazardous according to the EU criteria.

4. FIRST AID MEASURES

Swallowed:

If swallowed, **DO NOT** induce vomiting. If conscious, give 1 to 2 glasses of water to drink. Seek immediate medical assistance.

Eye:

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open.

If irritation persists transport to hospital or doctor.

Skin:

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water.

If irritation persists transport to hospital or doctor.

Inhaled:

Move victim to fresh air. Apply resuscitation if victim is not breathing.

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Hazardous Decomposition Products: Decomposes on heating emitting minor quantities of noxious smoke.

Fire Fighting Procedures: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Flammability

This material is not a combustible or flammable liquid.

6. ACCIDENTAL RELEASE MEASURES

Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. If large quantities of this product have spilt, then bund area using vermiculite - to prevent run off into drains and waterways. Place absorbent (vermiculite or other inert material) onto spill. Collect and seal in properly labeled containers for disposal. For small spills (less than 1 L) flush to drain with large quantities of water.

7. HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from oxidizing agents. Keep containers closed, when not using the product. Store at 15 - 25°C and the reagent will be stable until the expiry date stated on the bottle and kit box labels, only the standard is needed to be kept refrigerated (2 - 8°C). Store in original packages as approved by manufacturer.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product.

Engineering Controls

Maintain adequate ventilation at all times. No other measures are required for this product.

Personal Protection Equipment

GLOVES: Not normally required, however, if handling large quantities the use of nitrile is recommended.

EYES: Goggles or face shield for spills.

RESPIRATORY PROTECTION: Avoid breathing of mists. The use of a respirator is not normally required, however, if entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended. Select and use respirators in accordance with AS/NZS 1715/1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear yellow-green liquid with no odour.
Boiling point	Not available
Freezing point	Not available
Vapour pressure	Not available
Specific gravity	Not available
Flash point	Not applicable
Flammability limits	Not applicable
Solubility in water	Completely miscible.

Other properties

pH	4.4 (± 0.1)
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10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposes on heating emitting minor quantities of noxious smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Strong oxidizing agents.

CONDITIONS TO AVOID: Generation of mists.

11. TOXICOLOGICAL INFORMATION

There is no toxicological information available for this product

ACUTE HEALTH EFFECTS

Swallowed:

Drinking large quantities of this product may cause irritation to mouth, throat and stomach, which may lead to nausea, vomiting and diarrhea.

Eye:

May cause mild irritation to the eyes, with effects including: tearing and blurred vision. These effects are anticipated to be of a transient (short acting) nature and no long term injury is envisaged.

Skin:

May cause mild irritation to the skin.

Inhaled:

Highly unlikely to cause irritation, under almost all conditions.

Chronic:

There is no evidence that this product or any of the components will cause any long term injury at concentrations of any of the ingredients present.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information for product.

Mobility: No information for product.

Persistence / Degradability: No information for product.

Chemical Fate Information: No information available.

Although this product is considered to be of low environmental impact, large quantities should not be discharged to waterways, drains or sewers.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

UN Number: None allocated

Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Road and Rail Transport:

Not classified as a Dangerous Good according to the United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labeling of Chemicals.

Air Transport:

Not classified as a Dangerous Good according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Marine Transport:

Not classified as a Dangerous Good according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

15. OTHER INFORMATION

Principal References

Information supplied by manufacturer, reference sources including the public domain.

Disclaimer

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions which are available on request.

END OF MSDS