

MATERIAL SAFETY DATA SHEET

1. Identification of the substance or preparation and the company/undertaking

Product Name: As (III) Electrolyte B

Product number: R-300-500EAS-03

company: Lab21 Environmental Ltd
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Cambridge
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UK

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2. Composition/information on ingredients

Product name: As (III) Electrolyte B

Chemical name: L-Ascorbic Acid, Vitamin C

CAS number: 50-81-7

EC number: 200-066-2

<u>Hazardous Ingredients</u>	<u>Proportion</u>	<u>CAS-No</u>	<u>EC-No</u>
None			

3. Hazards identification

Not Hazardous

4. First aid measures

If swallowed: Wash out mouth thoroughly providing person is conscious. Do not induce vomiting. Seek medical advice.

After eye contact: Irrigate thoroughly with water for at least 15 minutes. If discomfort persists obtain medical attention.

After skin contact: Wash skin thoroughly with water and mild soap.

If inhaled: Remove individual from contaminated air, rest and keep warm. If breathing is difficult give oxygen and seek medical assistance.

5. Fire-fighting measures

Will emit toxic fumes under fire conditions

Fire fighters should wear self contained breathing apparatus if exposure to fumes is likely.

Use water spray, Carbon Dioxide, foam or dry chemical to control fire situation if compatible with other chemical products in the vicinity.

6. Accidental release measures

Wear protective clothing when dealing with spills including equipment to prevent the inhalation of dust.

Sweep up, place in bag. Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with local regulations.

7. Handling and storage

Handling: Avoid inhalation and contact with eyes. Change contaminated clothing. Wash hands after working with substance.

Storage: Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

8. Exposure controls and personal protection

Engineering Controls:

Always use this product with good general ventilation (10-15 changes of air in the room per hour) or preferably in a chemical fume hood. Maintain atmospheric concentrations as low as possible.

Personal Protection:

Avoid inhalation, skin and eye contact. Wear protective clothing including dust masks, safety glasses and rubber or PVC gloves. Wash thoroughly after handling.

9. Physical and chemical properties

Appearance:	White crystalline powder
Boiling point (°C):	N/A
Vapour pressure (mmHg at 20°C):	N/A
Specific Gravity (g/mL):	N/A
Flash Point (°C):	Not flammable
Flammability limits (%):	Not flammable
Solubility in water (g/L):	Completely miscible
Melting point	193°C
pH	1 - 2.5

10. Stability and reactivity

Substances to be avoided: Strong oxidising agents and direct sunlight.

11. Toxicological information

After inhalation of vapours: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

After ingestion: May be harmful if swallowed. Chronic ingestion of large doses may cause gastrointestinal disturbances including nausea and diarrhoea, urine effects including urine acidification, oxalate and uric crystallisation in the bladder and kidney, decreased reaction times and psychomotor coordination. LD50 mouse, oral, 3367 mg/Kg.

After skin contact: May cause irritation.

After eye contact: May cause irritation.

12. Ecological information

Biological degradable.

13. Disposal considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe local and national environmental regulations.

14. Transport information

Non hazardous for air, road and sea transport

15. Regulatory information.

Not classified as dangerous according to EC directives.

16. Other information

None

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