

SAFETY DATA SHEET

HELENA LABORATORIES
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Beaumont, TX 77707
USA Toll Free 800-231-5663

DATE PREPARED: 2/2/2024

REVISION: 3

1. IDENTIFICATION

Product Number: 5016

Product identifier used on the label: Electra B1 Buffer

Other means of identification:

Component Name	Component Number
Electra B1 Buffer	5016

Recommended use of the chemical and restrictions in use: For In-Vitro Diagnostic use.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Helena Laboratories
1530 Lindbergh Dr.
Beaumont, TX 77707
Tel: (409) 842-3714
USE Toll Free 800-231-5663

Emergency phone number:

(409) 842-3714

2. HAZARD IDENTIFICATION**Classification of the chemical:**

Component Name	GHS Classification	Hazard Statement
Electra B1 Buffer	Acute toxicity, oral (Category 3)	Harmful if swallowed

Label elements:**Signal word:** Warning

Precautionary statements:

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Inhalation: May be harmful if inhaled.

Ingestion: Harmful if swallowed.

Wear protective gloves/protective clothing/eye and face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Electra B1 Buffer	Barbital	57-44-3	84%
	Sodium Azide	26628-22-8	8%

4. FIRST AID MEASURES**Description of first aid measures:**

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact: Wash off with soap and plenty of water. If skin irritation occurs, get medical attention. Take off contaminated clothing.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Ingestion: Call a physician immediately.

Most important symptoms and effects, acute and delayed: Symptoms of acute toxicity: increasing restlessness, low blood pressure, respiratory slow down, person do not react to pain.

Prolonged or repeated exposure may result in psychic or physical dependence.

5. FIREFIGHTING MEASURES

Extinguishing media: Water spray, dry chemical, carbon dioxide or alcohol resistant foam.

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxide, sulfur oxides, sodium oxides.

Special protective equipment and precautions for firefighters: Wear proper protective equipment and self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear personal protective equipment. Evacuate personnel to safe areas. Soak up with inert absorbent material and transfer to container for proper disposal.

Methods and materials for containment and cleaning up: Do not allow material to enter drains/surface water/ground water. Ventilate the area. Vacuum residues.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment, do not inhale, avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed and store in cool dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits (ACGIH TLV & OSHA PEL):

Chemical Name	ACGIH TLV	OSHA PEL
Barbital	None listed	None listed
Sodium Azide	0.3 mg/m ³	None listed

Exposure controls:

Respiratory protection: Use NOISH approved respirators.

Skin protection: Wear appropriate protective gloves and suitable protective clothing.

Eye protection: Wear appropriate safety glasses or goggles.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odor: None

Odor threshold: No data available

pH: 8.3-8.7 (when dissolved following instructions on label)

Melting point/Freezing point: No data available

Initial boiling point and range: No applicable

Flash point: No applicable

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No applicable

Vapor pressure: No data available

Relative density: No data available

Solubility in water: Soluble

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.

Chemical stability: Stable under normal condition.

Possibility of hazard reaction: Hazardous polymerization does not occur.

Conditions to avoid: Light and elevated temperature, avoid contact with incompatible materials.

Incompatible materials: Oxidizing agents, strong acids.

Hazard decomposition products: Hazard decomposition products formed under fire conditions: Carbon oxides, nitrogen oxides, sodium oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

The calculated ATE value: LD50 = 227 mg/kg

See the following table for individual ingredient acute toxicity data

Chemical Name	LD 50 (oral, rat)
Barbital	600 mg/kg
Sodium Azide	27 mg/kg

Carcinogenicity: Not listed as a carcinogen by ACGIH, IARC, OSHA or NTP.

Potential health effects:

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: Harmful if swallowed

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Potential Chronic Health Effects: The chronic exposure may result in psychic or physical dependence.

Other important toxicological hazards: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Eco-toxicity: No data available

Persistence and degradability: No data available

Bio-accumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATION

Observe all federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US): Not regulated

UN number:

UN proper shipping name:

Transport hazard class:

Packing group:

15. REGULATORY INFORMATION**US State Right to Know Laws:**

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS Creation date: 9/14/2015

Revision #: 3

Disclaimer

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Helena Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.