

SAFETY DATA SHEET

HELENA LABORATORIES
1530 Lindbergh Dr.
Beaumont, TX 77707
USA Toll Free 800-231-5663

DATE PREPARED: 2/6/2024

REVISION: 4

1. IDENTIFICATION

Product Number: 5802

Product identifier used on the label: Supre-Heme Buffer

Other means of identification:

Component Name	Component Number
Supre-Heme Buffer	5802

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
Supre-Heme Buffer	Irritation to eyes	Irritant

Label elements:**Signal word:** Warning

Precautionary statements:

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Wear suitable protective clothing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Supre-Heme Buffer	EDTA Acid	60-00-4	< 10%
	Boric Acid	10043-35-3	< 50%
	Tris Amino	77-86-1	>50%

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

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Consult a physician.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician..

Ingestion: If swallowed, never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

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

Special hazards arising from the substance or mixture: Boron oxide, carbon oxide, nitrogen oxides.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Avoid dust formation.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed container for disposal. Do not let product enter the drains.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment, avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities: Keep in dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits (AGGIH TLV & OSHA PEL):

Contains no substances with occupational exposure limit values.

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: Odorless

Odor threshold: No data available

pH: ~ 8.4 when dissolved following customer procedure

Melting point/Freezing point: No data available

Initial boiling point and range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

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: No data available

Chemical stability: Stable under recommended storage condition.

Possibility of hazard reaction: No data available

Conditions to avoid: Exposure to moisture.

Incompatible materials: Strong oxidizing agents.

Hazard decomposition products: No data available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Toxicological data:

The calculated ATE value LD50 oral = > 5000 mg/kg

Chemical Name	LD 50 (oral, rat)
EDTA Acid	2660 mg/kg
Boric Acid	4500 mg/kg
Tris Amino	>3000 mg/kg

Potential health effects:

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Ingestion: May be harmful if swallowed

Inhalation: May be harmful if inhaled.

Carcinogenicity: No components are listed as carcinogens by AGGIH, IARC, NTP or OSHA.

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 a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS Creation date: 2/2/2015

Revision #: 4

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.