

Safety Data Sheet

Control Number: 907-017

Eosin-Phloxine (HTEP)

January 22, 2018

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1. Product and Company Identification

Product(s)	Eosin-Phloxine (HTEP)
Related Product Kit	N/A
Intended Use & Restrictions	Histology reagent intended for use by professional laboratory personnel that have been properly trained in its use.
Company Information	Biocare Medical, LLC 60 Berry Drive Pacheco, CA 94553 United States Tel: +1 800-799-9499 (7AM-5PM, PST, Mon-Fri) Fax: +1 925-603-8080 Web: www.biocare.net
24-Hour Emergency Contact	CHEMTREC +1 800-424-9300 (USA and Canada only) +1 703-527-3887 (all other countries)

2. Hazards Identification

Emergency Overview	Flammable liquid. Keep away from heat, flames and sparks. Target organ effect. Toxic by inhalation, ingestion and skin absorption. Avoid contact with skin and eyes. Wear appropriate personal protective equipment (gloves, lab coat, goggles/face shield.)
OSHA Hazards	Flammable Liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant, Carcinogen
GHS Classification	Danger.
Signal words, Symbol, Hazard & Precautionary Statements	Flammable liquids (Category 2) Acute toxicity, Oral (Category 5) Skin irritation (Category 2) Eye irritation (Category 2A) Skin sensitization (Category 1) Specific target organ toxicity - single exposure (Category 1) Specific target organ toxicity - single exposure (Category 3)



Hazard Statements

H225 Highly flammable liquid and vapour.
H303 May be harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H370 Causes damage to organs.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280 Wear protective gloves.

Safety Data Sheet

Control Number: 907-017

Eosin-Phloxine (HTEP)

January 22, 2018

BIOCARE
M E D I C A L

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.

Potential Health Effects

Skin Contact Toxic if absorbed through skin. Causes skin irritation.

Eye Contact Causes serious eye irritation.

Inhalation Toxic if inhaled. Causes respiratory tract irritation.

Ingestion Toxic if swallowed.

See Section 11: Toxicological Information for additional information.

Environmental Effects Toxic to the environment.

See Section 12: Ecological Information for additional information.

3. Composition / Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number
Ethanol	N/A	< 80%	64-17-5
Acetic acid	N/A	< 1%	64-19-7
3,4,5,6-Tetrachloro-2-(1,4,5,8-tetrabromo-6-hydroxy-3-oxoxanthen-9-yl)benzoic acid	Phloxine B	< 0.1%	18472-87-2
Disodium 2-(2,4,5,7-tetrabromo-6-oxido-3-oxoxanthen-9-yl)benzoate	Eosin Y	< 0.1%	17372-87-1

Note: It has been determined that the remaining ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals.

4. First Aid Measures

General Advice Avoid further exposure to product. Consult a physician.

In case of skin contact Wash exposed area with soap and plenty of water. Remove any contaminated clothing. Seek medical attention.

In case of eye contact Wash eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. Seek medical attention.

If inhaled Remove victim to well-ventilated area. If victim is not breathing, give artificial respiration. Seek medical attention.

If swallowed Do not induce vomiting. If victim is conscious, rinse mouth with water. Do not give anything to an unconscious victim. Seek medical attention.

Safety Data Sheet

Control Number: 907-017

Eosin-Phloxine (HTEP)

January 22, 2018

BIOCARE
M E D I C A L

5. Fire Fighting Measures

Suitable Extinguishing Media Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use extinguisher media appropriate for surrounding fire.

Special Protective Equipment for Firefighters Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.

Special Exposure Hazards Avoid inhalation of fumes, which may be toxic or irritating.

6. Accidental Release Measures

Personal Precautions Use of personal protective equipment is recommended as described in Section 8. Isolate hazard area and deny entry to unprotected personnel. Avoid breathing vapors. Ensure adequate ventilation. Beware of vapors accumulating in low areas which may reach explosive concentrations.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.

Methods for containment and clean up Small spills may be contained and cleaned-up with paper towels or absorbent pads. Absorb large spills with sand or vermiculite and place in a closed container for waste disposal. Avoid physical contact during removal.

7. Handling and Storage

Precautions for Safe Handling Avoid contact with eyes, skin and clothing. Do not inhale or ingest. Wash hands thoroughly after use. Keep away from sources of ignition and avoid electrostatic charge build-up.

Conditions for Safe Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls / Personal Protection

Permissible Exposure Limits Ethanol, USA ACGIH, TWA, 1,000 ppm
Ethanol, USA OSHA, TWA, 1,000 ppm

Engineering Controls Use of a chemical fume hood is highly recommended.

Personal Protective Equipment

Eye Protection Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Skin Protection Use chemically resistant gloves and a lab coat with sleeves.

Respiratory Protection Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

Safety Data Sheet

Control Number: 907-017

Eosin-Phloxine (HTEP)

January 22, 2018

BIOCARE
M E D I C A L

9. Physical and Chemical Properties

Appearance	Liquid
Odor	No data available
pH (as supplied)	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific gravity	No data available
Solubility (in water)	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions (see Section 7).
Conditions to avoid	Heat, flame and sparks. Extremes of temperature and direct sunlight.
Materials to avoid	Acids, oxidizing agents, alkali metals, strong oxidizing agents, metals, amines, ammonia, acid chlorides, acid anhydrides, reducing agents, alcohols, peroxides, permanganates, carbonates, phosphates, hydroxides.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.
Possibility of hazardous reactions	Vapors may form explosive mixture with air.

11. Toxicological Information

Acute dose effects	Phloxine B, LD50 Oral, rat, 8400 mg/kg
Repeat dose effects	No data available
Skin irritation	No data available
Skin and respiratory sensitization	No data available
Eye irritation	Eosin Y, eyes, rabbit, moderate eye irritation
Carcinogenicity	Eosin Y, rat, subcutaneous, tumorigenic: equivocal tumorigenic agent by RTECS criteria. Tumorigenic: tumors at site of application.

Safety Data Sheet

Control Number: 907-017

Eosin-Phloxine (HTEP)

January 22, 2018

BIOCARE
M E D I C A L

Phloxine B, mouse, oral, tumorigenic: neoplastic by RTECS criteria, liver: tumors, endocrine: tumors.

IARC: 3 – Group 3: Not classifiable as to its carcinogenicity to humans (Eosin Y)

No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by ACGIH, NTP, or OSHA.

Mutagenicity	No data available
Reproductive effects	No data available
Developmental effects	No data available
Target organ effects	Nerves, liver, heart, eyes, kidney, central nervous system

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

12. Ecological Information

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulation/accumulation	No data available
Mobility in environmental media	No data available
Other hazardous effects	No data available

13. Disposal Considerations

Product	Disposal should be in accordance with applicable national, state, and local laws and regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.
Contaminated packaging	Dispose of as unused product.

14. Transportation Information

Proper shipping name	Ethanol
Technical name	Not applicable
Hazard class	3
Identification number	UN number 1170
Packing group	II
DOT (US)	Marine pollutant: No, Poison Inhalation Hazard: No
IMDG	Marine pollutant: No
IATA	As above
TDG	Not available

Safety Data Sheet

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BIOCARE
M E D I C A L

15. Regulatory Information

Inventory Status

United States (TSCA) All components are listed or not subject to reporting requirements.

Canada (DSL / NDSL) All components are listed or not subject to reporting requirements.

SARA 302 Components No chemicals in this product are subject to reporting requirements.

SARA 313 Components No chemicals in this product are subject to reporting requirements.

SARA 311/312 Hazards Fire Hazard, Acute Health Hazard, Chronic Health Hazard

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

16. Other Information

Sources and Suitability The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. Biocare shall not be held liable for any damage resulting from use, handling, or contact with the above product.

Revision Date January 22, 2018
(All SDS's before this date should be discarded.)

Replaces Revision June 16, 2015. This SDS has been updated to reflect current hazard information and product formulations.

Note: Before using this product, please visit the Biocare Medical website at <http://biocare.net> for the current version of this SDS.