

SAFETY DATA SHEET

1. Identification:

Product Identifier: Bromophenol Blue Indicator Solution

Product code: BB8804 = 0.4% w/vBB8028 = 0.04% w/vBB8026 = 0.1% w/v

BB8025 = 1% (w/v)

Synonym(s): Bromcresol Purple Indicator

pH 4.6 = BluepH 3.0 = Yellow

Recommended use: Manufacture of other chemical products, professional, scientific, and

technical activities.

Recommended restrictions:

None known.

Manufacturer/Supplier/Distributor Information

Company name: Biopharm Inc.

Address: 187 South Tilley Road

Hatfield, AR 71945

Telephone: (870) 389-6114 Website: www.bphchem.com E-mail: support@bphchem.com **Emergency** Chemtree 800-424-9300

phone number:

2. Hazard(s) identification:

Classification: This chemical is not considered hazardous by the 2012 OSHA Hazard Communication

Standard (29 CFR 1910.1200)

Label elements: None Required

Signal word: None **Hazard statement:** None

Precautionary statement:

Prevention Avoid contact with eyes, skin and clothing. Wear appropriate protective equipment. Avoid

breathing vapor. Use with adequate ventilation. Avoid prolonged or repeated exposure.

Response Get medical attention/advice if you feel unwell

Store bottles tightly capped and upright. Store in well-ventilated place. Store locked up. Storage

Disposal To be performed in compliance with all current local, state and federal regulations. Spills

onto sand, soil, or other absorbent may be handled by placing the affected soil into

approved containers then label and store for proper treatment or disposal.

Hazard(s) not

otherwise classified

(HNOC):

None identified.

Supplemental

None.

information:

3. Composition/information on ingredients

Mixtures

Chemical Name <u>%</u> CAS number Bromophenol Blue Sodium Salt 62625-28-9 0.04 - 1Water 7732-18-5 Balance

4. First-aid measures

Inhalation: Remove person to fresh air. If breathing is difficult, give oxygen. Get medical attention

immediately if symptoms occur.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting. Obtain

medical attention.

Skin contact: Flood area with water for at least 15 minutes. Remove contaminated clothing and shoes.

Wash clothing and clean shoes thoroughly before reuse. Get medical attention

immediately if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes while holding lids

gently, but firmly, apart. Lift upper and lower lids occasionally to ensure thorough

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flushing under them. Obtain medical attention.

Most important symptoms/effects, acute and delayed:

No information available.

No information available.

General information: No information found.

5. Fire-fighting measures

Suitable extinguishing

media:

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

Unsuitable

extinguishing media:

Specific hazards arising from the

chemical

Keep product and container away from heat and sources of ignition.

Special protective equipment and precautions for firefighters

Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Fire-fighting

Use water spray to cool unopened containers.

equipment/instructions

NFPA Codes: Health: 0 Flammability: 0 Reactivity: 0

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material.

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Methods and materials for containment and cleaning up:

Ventilate area. Wear protective clothing. Use an absorbent material such as sand, sawdust, or vermiculite to absorb small spills or any leakage that cannot be recovered for recycling.

Wash area thoroughly with water after recovering released material. Avoid dust

formation. Minimize dust generation and accumulation. For waste disposal, see section 13 of the SDS.

Environmental precautions:

Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses, or onto the ground. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

7. Handling and storage

Precautions for safe handling:

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Avoid ingestion and inhalation. Avoid dust formation.

Conditions for safe storage, including any incompatibilities: Store bottles tightly capped and upright. Keep in a cool and well-ventilated place.

8. Exposure controls/personal protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits

established by the region specific regulatory bodies.

Engineering Ensure that eyewash stations and safety showers are close to the workstation location.

measures: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Eye/face Wear protective eyeglasses or chemical safety goggles.

protection:

Skin and body Wear appropriate protective gloves and clothing to prevent skin exposure.

protection:

Respiratory In case of insufficient ventilation, wear suitable respiratory equipment.

protection:

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

measures:

9. Physical and chemical properties

Appearance: Blue liquid
Odor: Odorless

Odor threshold: No data available Vapor Pressure (mm Hg): No data available

Vapor density (Air = 1): >1.0

pH: No data availableRelative density: No data availableMelting point/freezing point: No data available

Solubility in Water: Complete

Boiling Point (°F): No data available Flash point: No data available Evaporative Rate (H₂O = 1): No data available Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits

Flammability limit - lower No data available

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Flammability limit - upper

Explosive limit - lower

Explosive limit - upper

No data available

No data available

Partition coefficient: n
No data available

octanol/water

Auto-ignition temperature:No data availableDecomposition temperature:No data availableViscosity:No data available

Other information:

Specific Gravity ($H_2O = 1$): No data available Percent Volatile by Volume: No data available

10. Stability and reactivity

Reactivity: None known based on information available.

Chemical stability: Stable under ordinary conditions of use and storage.

Possibility of

Hazardous polymerization will not occur.

hazardous reactions:

Conditions to avoid: Incompatible materials.

Incompatible Strong oxidizing agents.

materials:

Hazardous None under normal use conditions

decomposition products:

11. Toxicological information

Information on likely routes of exposure:

Ingestion: May be harmful if swallowed.

Inhalation: May irritate the respiratory tract

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause discomfort to eyes upon contact.

Information on toxicological effects

No information available.

Acute toxicity

No acute toxicity information is available for this product.

ComponentLD50 OralLD50 DermalLC50 InhalationBromophenol BlueNo data availableNo data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/ irritation

May cause irritation to skin with redness and itching.

Serious eye damage/

Splashes may cause irritation to the eyes with redness, pain, watering, and itching.

irritation

Respiratory May cause respiratory tract and mucous membrane irritation.

Sensitization

Skin sensitization No data available.

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Carcinogenicity This product is not considered to be a carcinogen by IARC, NTP, or OSHA.

Mutagenic effectsNo data available.ReproductiveNo data available.

effects

STOT – single No data available.

exposure

STOT – repeated No data available.

exposure

Aspiration hazard

No data available.

Chronic effects No data available.

12. Ecological information

Ecotoxicity: Do not empty into drains. Harmful to aquatic life with long lasting effects.

Persistence and

No data available

degradability:

Bioaccumulation/

No data available

Accumulation:

Mobility in soil: No data available **Other adverse effects:** No data available

13. Disposal considerations

Waste disposal methods:

To be performed in compliance with all current local, state and federal regulations. Spills onto sand, soil, or other absorbent may be handled by placing the affected soil into approved containers then label and store for proper treatment or disposal.

14. Transport information

DOT: Not regulated as dangerous goods.

15. Regulatory information

U.S. Federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not applicable

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Immediate Hazard –No

Categories

Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard – No

Other Federal regulations

Clean Air Act Not applicable
Clean Water Act Not applicable

California Prop 65 This product does not contain any Proposition 65 chemicals.

16. Other information, including date of preparation or last revision

Creation date May 13, 2020

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be correct. However, this product should be handled by persons having related technical skills, and at their own discretion and risk. Since seller has no control over the use of this product, no warranty, expressed or implied, is made and seller assumes no liability in connection with any use of this information or from contact and/or handling of this

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product.