



# SAFETY DATA SHEET

## 1. Identification:

**Product Identifier:** Combination Total Hardnes Indicator Buffer Powder  
**Product code:** BC4093  
**Synonym(s):**  
**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 phone number:** CHEMTREC 800-424-9300

## 2. Hazard(s) identification:

**Classification:** Not a hazardous substance or mixture.  
**Label elements:** None required.  
**Signal word:** Not a hazardous substance or mixture.  
**Hazard statement:** Not a hazardous substance or mixture.  
**Precautionary statement:**  
**Prevention** May cause eye burns. Wash eyes with plenty of water for at least 15 minutes.  
Avoid breathing dust.  
Do not get on skin or clothing  
Use adequate ventilation.  
Wash thoroughly after handling.  
**Response** Wear appropriate protective equipment. Avoid contact with eyes, skin, and clothing.  
**Storage** Keep container tightly closed when not in use.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.  
**Hazard(s) not otherwise classified (HNOC):** None Known.  
**Supplemental information:** None.

### 3. Composition/information on ingredients

#### Mixtures

<u>Chemical Name</u>	<u>CAS number</u>	<u>%</u>
Eriochrome Black T	1787-61-7	0.2
Sodium Chloride	7647-14-5	29.9
Sodium Carbonate	497-19-8	69.9

### 4. First-aid measures

<b>Inhalation:</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Skin contact:</b>	Wash with warm water and soap.
<b>Eye contact:</b>	Flush eyes with water as a precaution.
<b>Most important symptoms/effects, acute and delayed:</b>	Direct contact with eyes may cause temporary irritation.
<b>General information:</b>	Treat symptomatically.

### 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Any media necessary for extinguishing the surrounding fire.
<b>Unsuitable extinguishing media:</b>	No information available.
<b>Specific hazards arising from the chemical</b>	None known.
<b>Special protective equipment and precautions for firefighters</b>	Wear approved self-contained protective clothing.
<b>Fire-fighting equipment/instructions</b>	Any media necessary for extinguishing the surrounding fire.

### 6. Accidental release measures

<b>Personal precautions, protective equipment, and emergency procedures:</b>	Keep unnecessary personnel away.
<b>Methods and materials for containment and cleaning up:</b>	Sweep up and shovel. Keep in suitable, closed containers for disposal. For waste disposal; see section 13 of the SDS.
<b>Environmental precautions:</b>	Do not let product enter drains.

### 7. Handling and storage

<b>Precautions for safe handling:</b>	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.
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Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated place.

## 8. Exposure controls/personal protection

Exposure Guidelines:

<u>Component</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Eriochrome Black T	No data	No data
Sodium Chloride	No data	No data
Sodium Carbonate	No data	No data

Engineering measures: General industrial hygiene practice.

Personal protective equipment:

Eye/face protection:	Wear protective eyeglasses or chemical safety goggles.
Skin and body protection:	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

Appearance:	Blueish gray powder
Odor:	Odorless
Odor threshold:	No data available.
Vapor Pressure (mm Hg):	No data available.
Vapor density (Air = 1):	No data available.
pH:	No data available.
Relative density:	No data available.
Melting point/freezing point:	No data available.
Solubility in Water:	Complete
Boiling Point (°F):	No data available.
Flash point:	No data available.
Evaporative Rate (H <sub>2</sub> O = 1):	No data available.
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit - lower	No data available.
Flammability limit - upper	No data available.
Explosive limit - lower	No data available.
Explosive limit - upper	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature:	No data available.

<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Other information:</b>	
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	No data available.
<b>Percent Volatile by Volume:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical stability:</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</b>	No information found.
<b>Incompatible materials:</b>	Strong acid, metals. Strong oxidizers.
<b>Hazardous decomposition products:</b>	When heated to decomposition emits highly toxic chloride fumes.

## 11. Toxicological information

### Information on likely routes of exposure:

<b>Ingestion:</b>	May cause nausea, possible damage to tissues of mouth and gastrointestinal tract.
<b>Inhalation:</b>	May cause nasal irritation and sneezing.
<b>Skin Contact:</b>	May cause dehydrating effect and cause allergic reaction for some.
<b>Eye Contact:</b>	May cause severe irritation and damage tissue.

### Information on toxicological effects

#### Acute toxicity

<u>Component</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Eriochrome Black T	No data	No data	No data
Sodium Chloride	3000 mg/kg (rat)	10000 mg/kg (rat)	No data
Sodium Carbonate	No data	No data	No data

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

<b>Skin corrosion/irritation</b>	May cause irritation or burns.
<b>Serious eye damage/irritation</b>	May be corrosive to eyes and cause conjunctival edema and corneal destruction.
<b>Respiratory Sensitization</b>	Inhalation of dust may cause irritation to the respiratory tract.
<b>Skin sensitization</b>	No data available.
<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP, ACGIH or OSHA.
<b>Mutagenic effects</b>	No data available.
<b>Reproductive effects</b>	No data available.
<b>STOT – single exposure</b>	No data available.

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<b>STOT – repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Chronic effects</b>	Prolonged or repeated skin exposure may cause sensitization.

## 12. Ecological information

<b>Ecotoxicity:</b>	No data available
<b>Persistence and degradability:</b>	No data available
<b>Bioaccumulation/ Accumulation:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Other adverse effects:</b>	Based on available data, the classification criteria are not met.

## 13. Disposal considerations

<b>Waste disposal methods:</b>	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.
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## 14. Transport information

<b>DOT:</b>	Not regulated as dangerous goods.
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## 15. Regulatory information

### U.S. Federal regulations

<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Listed
<b>U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not regulated
<b>CERCLA Hazardous Substances List (40 CFR 302.4)</b>	Not listed

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard Categories</b>	Immediate Hazard – No
	Delayed Hazard – No
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard – No

### Other Federal regulations

<b>Clean Air Act</b>	Not applicable
<b>Clean Water Act</b>	Not applicable
<b>California Prop 65</b>	This product does not contain any Proposition 65 chemicals.

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

<b>Revision date</b>	July 15, 2025
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**Disclaimer**

The statements contained herein are offered as informational data only and are believed to 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 product.