

# Safety Data Sheet

According to Regulation (EC) No. 1907/2006  
 OSHA Regulation 29 CFR 1910.1200  
 Canadian Regulation SOR/88-66

**Revision Date:** 2016-12-27

**Reason for Revision:** Removed DSD/DPD Regulation info

## **SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY**

**Product Name:** Hardness Buffer Reagent

**Additional Product Codes:** HI 3812

**Application:** Determination of Hardness in Water Samples

**Company Information (USA):**

Hanna Instruments, Inc.  
 584 Park East Dr, Woonsocket, Rhode Island, USA 02895

**Technical Service Contact Information:**

1-800-426-6287 (8:30AM - 5:00PM ET)  
 +1-401-766-4260 (8:30AM - 5:00PM ET)

**USA Emergency Contact Information:**

1-800-424-9300 (Chemtrec 24Hr. Emergency)

**International Emergency Contact Information:**

+1-703-527-3887 (Chemtrec 24Hr. Emergency)

**E-mail Address:**

tech@hannainst.com

## **SECTION 2: HAZARD IDENTIFICATION**

Non-hazardous product as specified in OSHA Regulation 29 CFR 1910.1200.

Non-hazardous product as specified in Canadian Regulation SOR/88-66.

Non-hazardous product as specified in Regulation (EC) 1272/2008.

## **SECTION 3: COMPOSITION AND COMPONENT INFORMATION**

| <b>Component:</b> | <b>EC No:</b> | <b>CAS No:</b> | <b>Hazard Class:</b> | <b>Phrases:</b> | <b>Concentration:</b> |
|-------------------|---------------|----------------|----------------------|-----------------|-----------------------|
| Sodium Carbonate  | 207-838-8     | 497-19-8       | Eye Irrit. 2         | H319            | > 1% - < 5%           |

## **SECTION 4: FIRST AID MEASURES**

**After Inhalation:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**After Skin Contact:** In case of contact, immediately wash skin with soap and copious amounts of water.

**After Eye Contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**After Swallowing:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

**General Information:** Not available

## **SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Special Risks:**

Emits toxic fumes under fire conditions.

**Special Protective Equipment:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Additional Information:**

NA

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions:**

None

### **Environmental Precautions:**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

### **Additional Notes:**

None

## **SECTION 7: HANDLING AND STORAGE**

### **Handling:**

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### **Storage:**

Keep tightly closed.

## **SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

| Type                               | Value               | Source  | Type | Value | Source |
|------------------------------------|---------------------|---------|------|-------|--------|
| <b>Sodium Carbonate, Anhydrous</b> |                     |         |      |       |        |
| TWA (8hr)                          | 1 mg/m <sup>3</sup> | Romania |      |       |        |

### **Engineering:**

Safety shower and eye bath. Mechanical exhaust required.

### **Personal Protective Equipment:**

As appropriate to quantity handled.

### **Respiratory Protection:**

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

### **Protective Gloves:**

Protective gloves.

### **Eye Protection:**

Chemical safety goggles.

### **Industrial Hygiene:**

Wash thoroughly after handling.

## **SECTION 9: PHYSICAL/CHEMICAL PROPERTIES**

|                         |        |                         |          |                         |                     |
|-------------------------|--------|-------------------------|----------|-------------------------|---------------------|
| <b>Appearance:</b>      | Liquid | <b>Odor:</b>            | Odorless | <b>Density at 20°C:</b> | 1 g/cm <sup>3</sup> |
| <b>Melting Point:</b>   | NA     | <b>Boiling Point:</b>   | > 100°C  | <b>Solubility:</b>      | Soluble             |
| <b>pH at 20°C:</b>      | ~7     | <b>Explosion Limit:</b> | NA       | <b>Flash Point:</b>     | NA                  |
| <b>Thermal Decomp.:</b> | NA     |                         |          |                         |                     |

## **SECTION 10: STABILITY AND REACTIVITY**

### **Conditions to be Avoided:**

None

### **Hazardous Polymerization:**

Will not occur.

### **Further Information:**

Not available

### **Hazardous Decomposition Products:**

Carbon monoxide, Carbon dioxide.

### **Substances to be Avoided:**

Strong oxidizing agents.

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **Product Toxicity**

Toxicological properties have not been thoroughly investigated.

#### **Potential Health Effects:**

**Skin Contact:** May cause skin irritation. May be harmful if absorbed through the skin.  
**Eye Contact:** May cause eye irritation.  
**Ingestion:** May be harmful if swallowed.

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#### **Component Toxicity**

##### **Acute Toxicity:**

##### **Chronic Toxicity:**

Not Available

##### **Sodium Carbonate, Anhydrous**

**LC50:** Inhalation - Rat - 4066 mg/L

**LD50:** Oral - Rat - 4090 mg/kg

##### **Additional Data:**

Not Available

### **SECTION 12: ECOLOGICAL INFORMATION**

No data available.

### **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

### **SECTION 14: TRANSPORTATION INFORMATION**

#### **Land:**

Not subject to transport regulations

#### **Sea:**

Not subject to transport regulations

#### **Air:**

Not subject to transport regulations

### **SECTION 15: REGULATORY INFORMATION**

Complies with European Regulations (EC) No. 1907/2006 and No. 1272/2008.  
Complies with OSHA Regulation 29 CFR 1910.1200.  
Complies with Canadian Regulation SOR/88-66.  
All chemical substances in this product are listed on the TSCA Inventory.

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### **SECTION 16: OTHER INFORMATION**

#### ***Text of phrases under Section 3***

H319: Causes serious eye damage

#### ***Revision Information***

**Revision Date:** 2016-12-27

**Supersedes edition of:** 2014-01-21

**Reason for revision:** Removed DSD/DPD Regulation info

#### ***Legend***

NA: Not Applicable

ND: Not Determined

**THE INFORMATION CONTAINED HEREIN IS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE. IT CHARACTERIZES THE PRODUCT WITH REGARD TO THE APPROPRIATE SAFETY PRECAUTIONS. IT DOES NOT REPRESENT A GUARANTEE OF THE PROPERTIES OF THE PRODUCT.**