

# 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.**