

HI 3842-0 Hardness High Range Reagent

Safety Data Sheet

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

Revision Date:2009-06-10Reason for Revision:29 CFR 1910.1200 and SOR/88-66 Compliance

SECTION 1: IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Name: HI 3842-0 Hardness High Range Reagent

Application: Determination of Hardness in Water Samples

Company Information (USA):

Technical Service Contact Information:

USA Emergency Contact Information: International Emergency Contact Information: E-mail Address: Additional Product Codes: HI 3842-S HI 3842

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

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

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

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

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<u>SECTION 2:</u> HAZARD IDENTIFICATION

Irritating to eyes, respiratory system and skin.

SECTION 3:	COMPOSITION AND COMPONENT INFORMATION
Component:	EDTA Tetrasodium Salt Dihydrate
EC-No.: CAS-No.:	200-573-9
CAS-NO.: Hazard:	10378-23-1
Phrases:	Xi
Content:	R: 36/37/38
Content.	> 15% - < 30%

<u>SECTION 4:</u> FIRST AID MEASURES

After Inhalation:	Remove to fresh air. Call a physician if breathing becomes difficult.
After Skin Contact: Wash affected area with water and soap.	
After Eye Contact:	Rinse out with plenty of water for at least 15 minutes. If pain persists, summon medical advice.
After Swallowing:	Wash out mouth with plenty of water, provided person is conscious. Obtain medical attention if feeling unwell.
General Information:	Remove contaminated, soaked clothing immediately and dispose of safely.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray, Carbon Dioxide, Dry Chemical Powder, Appropriate Foam.

Special Risks:

Non-combustible. Development of hazardous combustion gases or vapors possible in the event of fire. The following may develop in event of fire: Hydrochloric Acid, Nitrogen Oxides, Carbon Monoxide

Special Protective Equipment:

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Additional Information:

Prevent fire-fighting water from entering surface water or groundwater.



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SECTION 6: ACCIDENTAL RELEASE MEASURES Personal Precautions:					
Do not inhale vapors/aerosols. Avoid substance contact. Ensure supply of fresh air in enclosed rooms. Environmental Precautions:					
Do not allow to Additional Note	enter the sewerage system. s:				
Take up with lic	quid-absorbent material.v Clean up	affected area and dis	pose according to local regula	ation.	
SECTION 7:	HANDLING AND STORAG	È			
Handling:		St	orage:		
Avoid generation of vapors/aerosols. Do not inhale substance.		; ا	Tightly closed. In a well-ventilated place at +15 to +25 °C.		
SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION					
Engineering:					
•	Maintain general industrial hygiene practice. Personal Protective Equipment:				
Protective clot substances ha	thing should be selected specifically andled.	/ for the working place	e, depending on concentration	n and quantity of the h	nazardous
Respiratory Pr	otection:	Protective Gloves:		Eye Protection:	
Required when vapors/aerosols are generated. Work under hood. Industrial Hygiene:		Rubber or plastic		Goggles or face m	nask
Change conta	minated clothing. Wash hands after	r working with substar	nce.		
SECTION 9:	PHYSICAL/CHEMICAL PR	OPERTIES			
Appearance:	Dark blue liquid	Odor:	Odorless	Density at 20° C	: 1.22 g/cm³
Melting Point:	NA	Boiling Point:	ND	Solubility:	Soluble
pH at 20° C:	10.3	Explosion Limit:	NA	Flash Point:	NA
Thermal Decom	<i>ар.:</i> NA				
SECTION 10:	STABILITY AND REACTIV	ΊΤΥ			
Conditions to be Avoided: Hazardous Decomposition Products:					
Heating			In the event of fire: See section 5.		
Hazardous Polymerization:		S	Substances to be Avoided:		
Will not occur.			The generally known reaction	n partners of water	
Further Information:					
Not available					



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SECTION 11:	TOXICOLOGICAL	INFORMATION
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Product Toxicity

Quantitative data on the toxicity of this product is not available.

Potentia	Health	Effects:	
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Inhalation:	May be harmful if inhaled. Mucosal irritations. Sensitization possible in predisposed persons.
Skin Contact:	Irritations. Sensitization possible in predisposed persons.
Eye Contact:	Irritations.
Ingestion:	May be harmful if swallowed. Irritations of mucous membranes in the mouth, pharynx, esophagus and gastrointestinal tract.
Further Data:	The product should be handled with the usual care when dealing with chemicals.

Component Toxicity

Acute Toxicity:

Not Available

Chronic Toxicity:

Not Available

Additional Data:

Not Available

SECTION 12: ECOLOGICAL INFORMATION

Quantitative data on the ecological effect of this product is not available.

Further Data: No ecological problems are to be expected when the product is handled and used with due care and attention.

<u>SECTION 13:</u> DISPOSAL CONSIDERATIONS

Waste Disposal: Chemical residues are generally classified as special waste and thus covered by local regulations. Contact local authorities or disposal companies for advice. Handle contaminated packaging in the same way as the substance itself.

SECTION 14: TRANSPORTATION INFORMATION

Land:

Sea:

Not subject to transport regulations

Not subject to transport regulations

Not subject to transport regulations

Air:

SECTION 15: REGULATORY INFORMATION

Labeling according to EC Directives:

Symbol:	Xi: Irritant
R-phrases:	36/37/38: Irritating to eyes, respiratory system and skin.
	26-36: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.



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Legend

NA: Not Applicable ND: Not Determined

SECTION 16: OTHER INFORMATION

Text of R-phrases under Section 3

36/37/38: Irritating to eyes, respiratory system and skin

Revision I	nformation
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Revision Date:

Reason for revision:

Supersedes edition of: 2008-12-01

2009-06-10

Compliance

29 CFR 1910.1200 and SOR/88-66

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.