



# Versenate Hardness Indicator Solution

Safety Data Sheet  
Revision date: 03/21/2013

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### Product Identifier

**Product name:** Versenate Hardness Indicator Solution

**Product code:** 205-02

### Intended Use Of The Product

**Use of the substance/preparation:** Laboratory Reagent

### Name, Address, And Telephone Of The Responsible Party

OFI Testing Equipment, Inc.  
11302 Steeplecrest Dr.  
Houston, TX 77065 USA  
+1-832-320-7300

<http://www.ofite.com/>

### Emergency Telephone Number

**Emergency number** : INFOTRAC USA and Canada: 1-800-535-5053 / INFOTRAC Outside USA and Canada: 1-352-323-3500

## SECTION 2: HAZARDS IDENTIFICATION

### Classification Of The Substance Or Mixture

**Classification (GHS-US)**

Not classified

### Label Elements

**GHS-US labeling** No labeling applicable

**Other Hazards** Not available

**Unknown acute toxicity (GHS US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product identifier	% (w/w)	Classification (GHS-US)
Water	(CAS No.) 7732-18-5	99.8	Not classified
1-Naphthalenesulfonic acid, 3-hydroxy-4-[(2-hydroxy-5-methylphenyl)azo]-	(CAS No.) 3147-14-6	0.05 - 0.2	Not classified

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description Of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**Skin Contact:** Gently wash with plenty of soap and water. Rinse with plenty of water.

# Versenate Hardness Indicator Solution

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. If you feel unwell, seek medical advice.

### **Most Important Symptoms And Effects Both Acute and Delayed**

**General:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Inhalation:** None expected under normal conditions of use.

**Skin Contact:** May cause mild skin irritation.

**Eye Contact:** May cause slight irritation to eyes

**Ingestion:** None under normal use

**Chronic symptoms:** Not available

### **Indication Of Any Immediate Medical Attention And Special Treatment Needed**

Not available

## **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing Media**

**Suitable extinguishing media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

### **Special Hazards Arising From The Substance Or Mixture**

**Fire hazard:** Not flammable

**Explosion hazard:** Product is not explosive.

**Reactivity:** Stable at ambient temperature and under normal conditions of use.

### **Advice For Firefighters**

**Precautionary measures fire:** Not available

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides. Nitrogen oxides. Ammonia.

**Other Information:** Refer to Section 9 for flammability properties.

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

### **Personal Precautions, Protective Equipment And Emergency Procedures**

**General measures:** Handle in accordance with good industrial hygiene and safety practice.

#### **For Non-Emergency Personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods And Material For Containment And Cleaning Up**

**For containment:** Absorb and/or contain spill with inert material, then place in suitable container.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

# Versenate Hardness Indicator Solution

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Reference To Other Sections

See Heading 8, Exposure controls and personal protection

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

### Precautions For Safe Handling

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures.

### Conditions For Safe Storage, Including Any Incompatibilities

**Storage conditions:** Keep only in the original container in a cool, well ventilated place away from : Direct sunlight and heat sources. Keep container closed when not in use.

**Specific End Use(s)** Laboratory reagent.

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

### Control Parameters

There are no established Occupational Exposure Limits for the product or its components.

**Additional information:**Not available

### Exposure Controls

**Appropriate engineering controls:** Not available

**Personal protective equipment:** Gloves, protective goggles. Avoid all unnecessary exposure.



**Materials for protective clothing:** Not available

**Hand protection:** Wear protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Skin and body protection:** Not available

**Respiratory protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

**Environmental exposure controls:** Not available

**Other information:** When using, do not eat, drink or smoke.

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

### Information On Basic Physical And Chemical Properties

<b>Physical state</b>	: Liquid
<b>Appearance</b>	: Blue, purple, dark red
<b>Odor</b>	: Not available
<b>Odor threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Relative evaporation rate (butyl acetate=1)</b>	: Not available
<b>Melting point</b>	: ~ 0 °C (~32°F)
<b>Freezing point</b>	: Not available
<b>Boiling point</b>	: ~ 100 °C (~212°F)
<b>Flash point</b>	: Not available
<b>Auto-ignition temperature</b>	: Not available
<b>Decomposition Temperature</b>	: Not available

# Versenate Hardness Indicator Solution

## Safety Data Sheet

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<b>Flammability (solid, gas)</b>	: Not available
<b>Lower flammable limit</b>	: Not available
<b>Upper flammable limit</b>	: Not available
<b>Vapor pressure</b>	: Not available
<b>Relative vapor density at 20 °C</b>	: Not available
<b>Relative density</b>	: Not available
<b>Specific gravity density</b>	: 1
<b>Solubility</b>	: Soluble.
<b>Log Pow</b>	: Not available
<b>Log Kow</b>	: Not available
<b>Viscosity, kinematic</b>	: Not available
<b>Viscosity, dynamic</b>	: Not available
<b>Explosion data - sensitivity to mechanical impact</b>	: Not available
<b>Explosion data - sensitivity to static discharge</b>	: Not available

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity** Stable at ambient temperature and under normal conditions of use.

**Chemical Stability** Not available

**Possibility Of Hazardous Reactions** Hazardous polymerization will not occur.

**Conditions To Avoid** Direct sunlight. Extremely high or low temperatures.

**Incompatible Materials** Oxidizers. Strong acids. Strong bases.

**Hazardous Decomposition Products** Not available

### SECTION 11: TOXICOLOGICAL INFORMATION

#### **Information On Toxicological Effects - Product**

**Acute toxicity** : Not classified

**LD50 and LC50 Data** Not available

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific target organ toxicity (repeated exposure):** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** None expected under normal conditions of use.

**Symptoms/injuries after skin contact:** May cause mild skin irritation.

**Symptoms/injuries after eye contact:** May cause slight irritation to eyes.

**Symptoms/injuries after ingestion:** None under normal use.

#### **Information On Toxicological Effects - Ingredient(s)**

**LD50 and LC50 Data** Not available

# Versenate Hardness Indicator Solution

## Safety Data Sheet

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### SECTION 12: ECOLOGICAL INFORMATION

#### Persistence And Degradability

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Persistence and degradability	Not established.

#### Bioaccumulative Potential

<b>Versenate Hardness Indicator Solution</b>	
Bioaccumulative potential	Not established.

<b>1-Naphthalenesulfonic acid, 3-hydroxy-4-[(2-hydroxy-5-methylphenyl)azo]- (3147-14-6)</b>	
Log Pow	3.12

Mobility In Soil Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology - waste materials:** Avoid release to the environment.

### SECTION 14: TRANSPORT INFORMATION

**In accordance with ICAO/IATA/DOT/TDG**

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Additional information** Not regulated for transport

**Overland transport** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### US Federal regulations

<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>1-Naphthalenesulfonic acid, 3-hydroxy-4-[(2-hydroxy-5-methylphenyl)azo]- (3147-14-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

#### US State regulations

The components of this product do not appear on any US State regulatory lists.

#### Canadian regulations

<b>Versenate Hardness Indicator Solution</b>	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria.

<b>Water (7732-18-5)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria.

<b>1-Naphthalenesulfonic acid, 3-hydroxy-4-[(2-hydroxy-5-methylphenyl)azo]- (3147-14-6)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria.

# Versenate Hardness Indicator Solution

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION

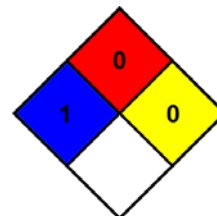
**Indication of changes** : 03/21/2013

**Data sources** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**NFPA health hazard** : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard** : 0 - Materials that will not burn.

**NFPA reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

**Health** : 1 Slight Hazard - Irritation or minor reversible injury possible

**Flammability** : 0 Minimal Hazard

**Physical** : 0 Minimal Hazard

### Party Responsible For The Preparation Of This Document:

OFI Testing Equipment

Phone Number: 832-320-7300

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS