

# MATERIAL SAFETY DATA SHEET

## Versenate Hardness Indicator Solution

### SECTION 1 . Product and Company Identification

Product Name and Versenate Hardness Indicator Solution

Product Code: 205-03-5

Material Uses: OFI Testing Equipment Inc. Health: 0  
Flammability: 1

Manufacturer: 11302 Steeplecrest Dr. Reactivity: 0

Houston, TX 77065

(877) 837-8683

Entry Date : 7/15/2013

Print Date: 7/15/2013

24 Hour Emergency Assistance : INFOTRAC USA - CANADA: 1-800-535-5053  
INTERNATIONAL: 1-352-323-3500

Hazard Rating:					
Least	Slight	Moderate	High		
Extreme	0	1	2	3	4

NA=Not Applicable NE=Not Established

### SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container

Emergency Overview:Caution! May Cause Irritation to Skin and Eyes.

Inhalation:No Adverse Health Effects Expected from Inhalation.

Ingestion:Substance has Low Toxicity by Ingestion. Large Amounts May Cause Gastrointestinal Upset due to Osmotic Imbalance Caused by its ability to Sequester Metal Ions.

Skin:May Cause Irritation with Redness and Pain.

Eye Contact:May Cause Irritation, Redness and Pain.

Chronic Exposure:No Information Found.

Aggravated by Exposure:No Information Found.

### SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
	1,2-Propanediol (Propylene Glycol)	CAS# 57-55-6	30 - 40%	V/V	
	Calmagite	CAS# 3147-14-6	0.05 - 0.5%	W/V	None established
	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

Emergency Overview:May cause stomach upset if ingested. May cause eye and skin irritation.

Inhalation:No adverse health effects expected from inhalation.

Ingestion:Substance has low toxicity by ingestion. Large doses may cause stomach upset.

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Skin: Not expected to be a health hazard. May cause slight irritation.

Eye Contact: Splashes may cause irritation.

Chronic Exposure: No information found.

Aggravated by Exposure: No information found.

### SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

If large amounts are swallowed give water to drink and seek medical aid.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder  
or appropriate foam  
None Known.

Fire / Explosion Hazards:

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Dispose of in a manner consistent with federal, local law.

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g., Vermiculite, Dry Sand, Earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

### SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Protect from freezing.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Chemical safety goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

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### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	information not available	Percent Volatile by	information not available
Boiling Point:	information not available	Evaporation Rate	not available
Vapor Pressure:	information not available	Evaporation Standard	
Vapor Density:	information not available	Auto Ignition Temp	not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	not available
Appearance /Odors:	clear red liquid / mild	Upper Flamm. Limit in Air	not available
Flash Point:	information not available		
Specific Gravity:	information not available		

### SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	See Incompatibilities
Materials to Avoid:	Acid chlorides, acid anhydrides, oxidizing agents, chlorofromates, and
Hazardous Decomposition	CO, CO2
Products:	
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

### SECTION 11

#### Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

### SECTION 12

#### Ecological Information

No information found.

### SECTION 13

#### Disposal Considerations

Dilute with water and flush to sewer if local ordinances allow, otherwise whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

Processing, use or contamination of this product may change the waste management options. State and local disposal regulation may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### SECTION 14

#### Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

### SECTION 15

#### Regulatory Information

Chemical Inventory Status –  
Part 1: Ingrandient  
Calmagite (3147-14-6)

		<i>Page 3 of 5</i>	Propylene Glycol (57-55-6)
TSCA	Yes	Yes	
EC	Yes	Yes	
Japan	No	Yes	
Australia	Yes	Yes	

Chemical Inventory Status –

Part 2:Ingredient

Calmagite (3147-14-6)

Propylene Glycol (57-55-6)

Korea	NO	Yes
DSL	Yes	Yes
NDSL	No	No
Phil.	Yes	Yes

Federal, State & International Regulations –

Part 1: Ingredient.

Calmagite (3147-14-6)

Propylene Glycol (57-55-6)

RQ	NO	No
TPQ	NO	Yes
List	NO	No
Chemical Catg	No	No

Federal, State &

International Regulations –

Part 2:Ingredient

Calmagite (3147-14-6)

Propylene Glycol (57-55-6)

CERCLA	NO	No
261.33	No	No
8(d)	No	No

Chemical Weapons Convention:No

TSCA 12 (b):No

CDTA:NO

SARA 311/312: Acute: NO

Chronic: NO

Fire: No

Pressure: No

Reactivity: No

Australian Hazchem Code: None

Poison Schedule: None allocated

## Versenate Hardness Indicator Solution

reducing agents      odor

### SECTION 16

#### Additional Information

Effects of overexposure. Acute and chronic: Harmful by inhalation, ingestion, skin absorption. May cause eye and skin irritation and central nervous system problems. May cause GI disturbances, nausea, headache and vomiting. Target organs: None. Persons with pre-existing disorders may be more susceptible.

## Versenate Hardness Indicator Solution

Flammability

Health

Reactivity

<b>Revisions</b>	<b>NFPA</b>
7/1/2010	0.1

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