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.

Manufacturer: 11302 Steeplecrest Dr.

Health: 0

OFI Testing Equipment Inc. Flammability: 1

Manufacturer:

11302 Steeplecrest Dr.

Reactivity: 0

Hazard Rating:

Least Slight Moderate High

0 1 2 3 4

Extreme

0 1 2 3 4

NA=Not Applicable NE=Not

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

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

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

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.
Versenate Hardness Indicator Solution

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: 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/PERSO NAL 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
**SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES**

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<th>Value</th>
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<td>Boiling Point:</td>
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<td>Vapor Pressure:</td>
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<td>Appearance /Odors:</td>
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<td>Specific Gravity:</td>
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**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:Ingredient
  - Calmagite (3147-14-6)
  - Propylene Glycol (57-55-6)

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Calmagite (3147-14-6)  
Propylene Glycol (57-55-6)
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<td>Phil.</td>
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Federal, State & International Regulations –
Part 1: Ingredient.
Calmagite (3147-14-6)  
Propylene Glycol (57-55-6)
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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
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.
<table>
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