VERSERATE HARDNESS TITRATING SOLUTION

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name and Product Code: Versenate Hardness Titrating Solution 205-09-5
Material Uses: OFI Testing Equipment Inc. Health: 1
Manufacturer: 11302 Steeplecrest Dr. Flammability: 1
Houston, TX 77065 Reactivity: 0
(877) 837-8683 Hazard Rating:
NA=Not Applicable NE=Not Established
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

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,2-Propanediol (Propylene Glycol)</td>
<td>CAS# 57-55-6</td>
<td>~35%</td>
<td>V/V</td>
<td></td>
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<tr>
<td></td>
<td>Ethylenedinitrilotetraacetic Acid, Disodium Salt</td>
<td>CAS# 6381-92-6</td>
<td>0.1 - 0.5%</td>
<td>W/V</td>
<td>None established</td>
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<tr>
<td></td>
<td>Water, Deionized ASTM Type II</td>
<td>CAS# 7732-18-5</td>
<td>Balance</td>
<td>V/V</td>
<td>None Established</td>
</tr>
</tbody>
</table>

CAS #: 139-33-3 EDTA Disodium Salt 0.37 to 3.0%
57-55-6 Propylene Glycol <40%

SECTION 4 FIRST AID MEASURES
Versenate Hardness Titrating Solution

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. 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

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

SECTION 5  FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
None

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 ( Vermiculite, Dry Sand, Earth), and Place in a Chemical Waste Container. Do Not Use Combustible Materials, such as Saw Dust. Do Not Flush to Sewer.

SECTION 7  HANDLING AND STORAGE

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

SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation
Local

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

Melting Point: ~-74.2° F (-59°C)

Percent Volatile by not available

Evaporation Rate Information not available

Boiling Point: 370.4° F (188°C)

Vapor Pressure: not available

Evaporation Standard
Versenate Hardness Titrating Solution

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Vapor Density:</td>
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</tr>
<tr>
<td>Temp</td>
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</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
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<tr>
<td>Appearance /Odors:</td>
<td>Colorless, liquid, mild odor</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Specific Gravity:</td>
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</table>

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: High temperatures, Light
Materials to Avoid: Halides, Ammonia, Phospahtes
Hazardous Decomposition: oxides of carbon, nitrogen

Products:
Hazardous polymerization: Will Not Occur

Conditions to Avoid: none

SECTION 11 Toxicological Information

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

SECTION 12 Ecological Information

No Information Found.

SECTION 13 Disposal Considerations

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 regulations 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
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
TSCA Yes Yes
EC Yes Yes
Japan YES Yes
Australia Yes Yes

Chemical Inventory Status –
Part 2:Ingredient
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
Korea Yes Yes
DSL Yes Yes
NDSL No No
Phil. Yes Yes

Federal, State & International Regulations –
Page 3 of 4
Part 1: Ingredient.
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
RQ NO No
<table>
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<tr>
<th>Description</th>
<th>Fed</th>
<th>St</th>
<th>Int</th>
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</thead>
<tbody>
<tr>
<td>EDTA Disodium Salt (139-33-3)</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
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<tr>
<td>Propylene Glycol (57-55-6)</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>CERCLA</td>
<td>NO</td>
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<td>8(d)</td>
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<td>No</td>
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</tbody>
</table>

Chemical Weapons Convention: No  
TSCA 12 (b): No  
CDTA: Mixture/Liquid  
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

Conditions aggravated/target organs: Persons with pre-existing skin, eye or respiratory disorders are more susceptible. Overexposure symptoms: Acute: Slight irritation to skin, eyes, mucous membranes, and GI tract. 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

Flammability

<table>
<thead>
<tr>
<th>Health</th>
<th>Reactivity</th>
</tr>
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