**SECTION 1. Product and Company Identification**

**Product Name and**
Versenate Hardness Titrating Solution

**Product Code:** 205-07-5

**Material Uses:**
Health: 1
Flammability: 1

**Manufacturer:**
11302 Steeplecrest Dr.
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

**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, 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% V/V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ethylenedinitrilotetra-acetic Acid, Disodium Salt</td>
<td>CAS# 6381-92-6</td>
<td>0.1 - W/V</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Water, Deionized ASTM Type II</td>
<td>CAS# 7732-18-5</td>
<td>Balance V/V</td>
<td>None</td>
<td>Established</td>
</tr>
</tbody>
</table>

**CAS #:**
139-33-3
57-55-6

**CHEMICAL NAME**
EDTA Disodium Salt 0.37 to 3.0%
Propylene Glycol <40%

**SECTION 4. FIRST AID MEASURES**

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.
Versenate Hardness Titrating Solution

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 swallowed give large quantities of water and get medical attention immediately.

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire
Fire / Explosion Hazards: None
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)
Boiling Point: 370.4° F (188°C)
Vapor Pressure: not available
Vapor Density: not available
Solubility in Water: Soluble
Appearance /Odors: Colorless liquid, mild odor
Percent Volatile by not available
Evaporation Rate Information not available
Evaporation Standard
Auto Ignition Temp Not available
Lower Flamm. Limit in Air Not available
Upper Flamm. Limit in Air Not available

Page 2 of 4
Versenate Hardness Titrating Solution

Flash Point: Not flammable
Specific Gravity: Information not available

SECTION 10 STABILITY AND REACTIVITY INFORMATION
Stability: Stable
Conditions to Avoid: High temperatures, Light
Materials to Avoid: Halides, Ammonia, Phosphates
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 –
Part 1: Ingredient
EDTA Disodium Salt (139-33-3)
Propylene Glycol (57-55-6)
RQ NO No
TPQ NO NO
List NO No
Chemical Catg No No
EDTA Disodium Salt (139-33-3)  
Propylene Glycol (57-55-6)  
CERCLA: No  
261.33: No  
8(d): No  

Chemical Weapons Convention: No  
TSCA 12 (b): No  
CDTA: Yes  
SARA 311/312: Acute: Yes  
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

Health                                      Reactivity

NFPA

Revisions

7/1/2010  0.1

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