Material Safety Data Sheet

**Section 1. Product and Company Identification**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>EDTA di-Sodium 0.0100M</th>
<th>Product Code</th>
<th>VW3621</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>EMD Chemicals Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>P.O. Box 70</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>480 Democrat Road</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gibbstown, NJ 08027</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prior to January 1, 2003 EMD Chemicals Inc. was EM Industries, Inc. or EM Science, Division of EM Industries, Inc.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Effective Date</td>
<td>3/4/2003</td>
<td>Print Date</td>
<td>5/3/2004</td>
</tr>
</tbody>
</table>

For More Information Call
856-423-6300 Technical Service
Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call
800-424-9300 CHEMTREC (USA)
613-996-6666 CANUTEC (Canada)
24 Hours/Day: 7 Days/Week

<table>
<thead>
<tr>
<th>Synonym</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Uses</td>
<td>Laboratory Reagent</td>
</tr>
<tr>
<td>Chemical Family</td>
<td>Salt.</td>
</tr>
</tbody>
</table>

**Section 2. Composition and Information on Ingredients**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTA di-Sodium Dihydrate</td>
<td>6381-92-6</td>
<td>0-1</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>99-100</td>
</tr>
</tbody>
</table>

**Section 3. Hazards Identification**

<table>
<thead>
<tr>
<th>Physical State and Appearance</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Overview</td>
<td>CAUTION! Handle in accordance with good laboratory, industrial hygiene and safety practices</td>
</tr>
<tr>
<td>Routes of Entry</td>
<td>Inhalation. Ingestion.</td>
</tr>
</tbody>
</table>

**Potential Acute Health Effects**

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>No known effect on eye contact, rinse with water for a few minutes.</td>
</tr>
<tr>
<td>Skin</td>
<td>No known acute effects of this product resulting from skin contact.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known acute effects of this product resulting from inhalation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known acute effects of this product resulting from ingestion.</td>
</tr>
</tbody>
</table>

**Potential Chronic Health Effects**

| Carcinogenic Effects | This material is not known to cause cancer in animals or humans. |

<table>
<thead>
<tr>
<th>Medical Conditions Aggravated by Overexposure</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td>See Toxicological Information (section 11)</td>
</tr>
</tbody>
</table>

Continued on Next Page
Section 4. First Aid Measures

**Eye Contact**
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

**Skin Contact**
Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

**Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

**Ingestion**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5. Fire Fighting Measures

<table>
<thead>
<tr>
<th>Flammability of the Product</th>
<th>Non-flammable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash Points</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Products of Combustion**
Not applicable.

**Fire Hazards in Presence of Various Substances**
Not applicable.

**Explosion Hazards in Presence of Various Substances**
- Risks of explosion of the product in presence of static discharge: No.
- Risks of explosion of the product in presence of mechanical impact: No.

**Fire Fighting Media and Instructions**
Not applicable.

**Protective Clothing (Fire)**
Not applicable.

**Special Remarks on Fire Hazards**
Not available.

**Special Remarks on Explosion Hazards**
Not available.

Section 6. Accidental Release Measures

**Small Spill and Leak**
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**Large Spill and Leak**
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

**Spill Kit Information**
No specific spill kit required for this product.
Section 7. Handling and Storage

Handling  Avoid breathing vapors or spray mists.

Storage  Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls  Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Safety glasses.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body</td>
<td>Lab coat.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Vapor respirator. Be sure to use an approved/certified respirator or equivalent.</td>
</tr>
<tr>
<td>Hands</td>
<td>Gloves.</td>
</tr>
<tr>
<td>Feet</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill  Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name    Exposure Limits

EDTA di-Sodium Dihydrate  Not available.
Water  Not available.

Section 9. Physical and Chemical Properties

Odor  Odorless.

Color  Clear.

Physical State and Appearance  Liquid.

Molecular Weight  Not applicable.

Molecular Formula  Not applicable.

pH  Not available.

Boiling/Condensation Point  The lowest known value is 99.9°C (211.8°F) (Water).

Melting/Freezing Point  May start to solidify at -0.1°C (31.8°F) based on data for: Water.

Specific Gravity  Not available.

Vapor Pressure  Not available.

Vapor Density  Not available.

Odor Threshold  Not available.

Evaporation Rate  0.36 (Water) compared to (n-BUTYL ACETATE=1)

LogKow  Not available.

Continued on Next Page
### Section 10. Stability and Reactivity

**Stability and Reactivity**
The product is stable.

**Conditions of Instability**
Not available.

**Incompatibility with Various Substances**
Highly reactive with oxidizing agents, metals.

**Rem/Incompatibility**
Not available.

**Hazardous Decomposition Products**
COx  NOx

**Hazardous Polymerization**
Will not occur.

### Section 11. Toxicological Information

**RTECS Number:**
EDTA di-Sodium Dihydrate
Water
Not available.

**Toxicity**
LD$_{50}$: Not available.
LC$_{50}$: Not available.

**Chronic Effects on Humans**
Not available.

**Acute Effects on Humans**
Not available.

**Synergetic Products**
(Toxicologically)
Not available.

**Irritancy**
Draize Test: Not available.

**Sensitization**
Not available.

**Carcinogenic Effects**
This material is not known to cause cancer in animals or humans.

**Toxicity to Reproductive System**
Not available.

**Teratogenic Effects**
Not available.

**Mutagenic Effects**
Not available.

### Section 12. Ecological Information

**Ecotoxicity**
Not available.

**BOD$_5$ and COD**
Not available.

### Section 13. Disposal Considerations

**EPA Waste Number**
Not available.

**Treatment**
Not available.

*Continued on Next Page*
### Section 14. Transport Information

<table>
<thead>
<tr>
<th>Classification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not available.</td>
</tr>
<tr>
<td>TDG Classification</td>
<td>Not available.</td>
</tr>
<tr>
<td>IMO/IMDG Classification</td>
<td>Not available.</td>
</tr>
<tr>
<td>ICAO/IATA Classification</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 15. Regulatory Information

#### U.S. Federal Regulations
- TSCA 8(b) inventory: Water
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: No products were found.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
- SARA 313 toxic chemical notification and release reporting: No products were found.
- Clean Water Act (CWA) 307: No products were found.
- Clean Water Act (CWA) 311: No products were found.
- Clean air act (CAA) 112 accidental release prevention: No products were found.
- Clean air act (CAA) 112 regulated flammable substances: No products were found.
- Clean air act (CAA) 112 regulated toxic substances: No products were found.

#### WHMIS (Canada)
- Not controlled under WHMIS (Canada).

#### CEPA DSL
- Water

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

#### International Regulations

<table>
<thead>
<tr>
<th>International Lists</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EINECS</td>
<td>EDTA di-Sodium Dihydrate Water 231-791-2 Not available.</td>
</tr>
<tr>
<td>DSCL (EEC)</td>
<td>This product is not classified according to the EU regulations.</td>
</tr>
<tr>
<td>Australia (NICNAS):</td>
<td>Water</td>
</tr>
<tr>
<td>Japan (MITI):</td>
<td>Water</td>
</tr>
<tr>
<td>Korea (TCCL):</td>
<td>Water</td>
</tr>
<tr>
<td>Philippines (RA6969):</td>
<td>Water</td>
</tr>
<tr>
<td>China:</td>
<td>No products were found.</td>
</tr>
</tbody>
</table>

#### International Lists

<table>
<thead>
<tr>
<th>State Regulations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>New Jersey:</td>
<td></td>
</tr>
<tr>
<td>California prop. 65:</td>
<td>No products were found.</td>
</tr>
</tbody>
</table>

### Section 16. Other Information

#### National Fire Protection Association (U.S.A.)
- Fire Hazard
- Health
- Reactivity
- Specific Hazard

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**Continued on Next Page**
Notice to Reader

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