1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 31530M
Product Name: Mayoquest 1530M
Trade Name: Mayoquest 1530M
Company Name: Compass Chemical International LLC
Web site address: www.compasschemical.com
Emergency Contact:
Chemtrec
(800)424-9300
Compass
(404)696-6711

Intended Use: Intended for Industrial Use

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2
Toxic To Reproduction, Category 2

GHS Signal Word: Warning
GHS Hazard Phrases: H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H361 - Suspected of damaging fertility or the unborn child.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical attention/advice.
P321 - Specific treatment see Response/First aid section on this label.
P330 - Rinse mouth.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases: P405 - Store locked up.
P501 - Dispose of contents/container in accordance with all federal, state and local regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.
Potential Health Effects
(Acute and Chronic):

Inhalation: No hazard expected in normal industrial use. If symptoms develop, remove individual to fresh air and get medical attention. If breathing is difficult give oxygen. If not breathing give artificial respiration.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>Concentration</th>
<th>RTECS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>3794-83-0</td>
<td>Tetrasodium Etidronate</td>
<td>5.0 - 20 %</td>
<td>JL6475000</td>
</tr>
<tr>
<td>140-01-2</td>
<td>Pentasodium Pentatate</td>
<td>5.0 - 25 %</td>
<td>NA</td>
</tr>
<tr>
<td>5064-31-3</td>
<td>Trisodium NTA</td>
<td>&lt;1.0 %</td>
<td>MB8400000</td>
</tr>
</tbody>
</table>

Additional Chemical Information

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Gently wash with plenty of soap and water. Get medical attention/advice if you feel unwell.

In Case of Inhalation:
If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, remove individual to fresh air and get medical attention. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

In Case of Skin Contact:
Remove contaminated clothing and shoes. Wash with soap and water. Get medical attention if irritation develops or persists.

In Case of Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

In Case of Ingestion:
Do NOT induce vomiting. If victim is conscious, give milk or water to dilute stomach contents. Keep victim warm and quiet. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Note to Physician:
Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

Flammability Classification: non-flammable
Flash Pt: NP
Explosive Limits:
LEL: N.A. UEL: N.A.
Autoignition Pt: NP

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media: Unknown.

Fire Fighting Instructions:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards:
Material will not burn. Container may explode in heat of fire. Cool containers with flooding quantities of water until well after fire is out.
6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:
Respirator protection is not normally required. Goggles or face shield. Impervious clothing. Impervious gloves.

Environmental Precautions:
Keep away from... ... incompatible materials specified by the manufacturer/supplier or the competent authority. Keep container tightly closed. Avoid release to the environment.

Steps To Be Taken In Case Material Is Released Or Spilled:
Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:
No special handling procedures are required.

Precautions To Be Taken in Storing:

Other Precautions:
Keep away from food and drinking water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Partial Chemical Name</th>
<th>OSHA TWA</th>
<th>ACGIH TWA</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3794-83-0</td>
<td>Tetrasodium Etidronate</td>
<td>PEL: Not Established</td>
<td>TLV: Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>140-01-2</td>
<td>Pentasodium Pentatate</td>
<td>PEL: Not Established</td>
<td>TLV: Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>5064-31-3</td>
<td>Trisodium NTA</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Respiratory Equipment (Specify Type):
Respirator protection is not normally required.

Eye Protection:
Splash proof safety goggles.

Protective Gloves:

Other Protective Clothing:
Clothes to prevent skin contact. Chemical resistant apron.

Engineering Controls (Ventilation etc.):
There are no special ventilation requirements. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Work/Hygienic/Maintenance Practices:
Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls:
Use with adequate ventilation. Safety shower and eye bath.
## 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical States:</td>
<td>[ ] Gas [ X ] Liquid [ ] Solid</td>
</tr>
<tr>
<td>Appearance and Odor:</td>
<td>Clear, pale yellow liquid.</td>
</tr>
<tr>
<td></td>
<td>Odorless.</td>
</tr>
<tr>
<td></td>
<td>Odor threshold: Unavailable</td>
</tr>
<tr>
<td>Freezing Point:</td>
<td>~ -15.00 C (5.0 F)</td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>100.0 C (212.0 F)</td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>NP</td>
</tr>
<tr>
<td>Autoignition Pt:</td>
<td>NP</td>
</tr>
<tr>
<td>Flash Pt:</td>
<td>NP</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1):</td>
<td>1.21 - 1.23 at 25.0 C (77.0 F)</td>
</tr>
<tr>
<td>Density:</td>
<td>10.2 LB/GA at 25.0 C (77.0 F)</td>
</tr>
<tr>
<td>Vapor Pressure (vs. Air or mm Hg):</td>
<td>NP</td>
</tr>
<tr>
<td>Vapor Density (vs. Air = 1):</td>
<td>NP</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>NP</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Soluble</td>
</tr>
<tr>
<td>Saturated Vapor Concentration:</td>
<td>NP</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>&lt; 100 CPS at 25.0 C (77.0 F)</td>
</tr>
<tr>
<td>Octanol/Water Partition Coefficient:</td>
<td>unknown</td>
</tr>
<tr>
<td>pH:</td>
<td>1% in H2O-10 - 12.0</td>
</tr>
<tr>
<td>Percent Volatile:</td>
<td>~ 70.00 % by weight.</td>
</tr>
<tr>
<td>VOC / Volume:</td>
<td>NP</td>
</tr>
<tr>
<td>Particle Size:</td>
<td>NP</td>
</tr>
<tr>
<td>Heat Value:</td>
<td>NP</td>
</tr>
<tr>
<td>Corrosion Rate:</td>
<td>NP</td>
</tr>
<tr>
<td>Additional Physical Information:</td>
<td></td>
</tr>
</tbody>
</table>

## 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability:</td>
<td>Unstable [ ] Stable [ X ]</td>
</tr>
<tr>
<td>Conditions To Avoid -</td>
<td>Strong oxidizing agents.</td>
</tr>
<tr>
<td>Instability:</td>
<td></td>
</tr>
<tr>
<td>Incompatibility - Materials To Avoid:</td>
<td>Oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous Decomposition or</td>
<td>None known.</td>
</tr>
<tr>
<td>Byproducts:</td>
<td></td>
</tr>
<tr>
<td>Possibility of Hazardous</td>
<td>Will occur [ ] Will not occur [ X ]</td>
</tr>
<tr>
<td>Reactions:</td>
<td></td>
</tr>
<tr>
<td>Conditions To Avoid -</td>
<td>Hazardous Polymerization will not occur at room temperature.</td>
</tr>
<tr>
<td>Hazardous Reactions:</td>
<td></td>
</tr>
</tbody>
</table>
11. TOXICOLOGICAL INFORMATION

Toxicological Information:

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects:

Mutagenicity: No data available.

Other Studies:

CAS# 3794-83-0:

Acute toxicity, LD50, Oral, Rat, 990.0 MG/KG.

Result:

Kidney, Ureter, Bladder: Changes in both tubules and glomeruli.


CAS# 5064-31-3:

Reproductive Effects: TDLo, Oral, Rat, 39.00 GM/KG, male 8 week(s) pre-mating.

Result:

Effects on Newborn: Growth statistics (e.g., reduced weight gain).

- Food and Cosmetics Toxicology, For publisher information, see FCTOD7, London United Kingdom, Vol/p/yr: 9,509, 1971

Mutagenicity:

Mutation test: Micronucleus test.
Species: Hamster, 2.000 MMOL/L, Cell Type: lung..

Result:

Maternal Effects: Ovaries, fallopian tubes.


Acute toxicity, LD50, Oral, Rat, 1100. MG/KG.

Result:

Gastrointestinal: Nausea or vomiting.


Acute toxicity, LD50, Intraperitoneal, Rat, 254.0 MG/KG.

Result:

Specific Developmental Abnormalities: Craniofacial (including nose and tongue).

Specific Developmental Abnormalities: Blood and lymphatic system (including spleen and marrow).


Acute toxicity, LD50, Oral, Mouse, 681.0 MG/KG.

Result:

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).


Acute toxicity, LD50, Oral, Dog, > 5.000 GM/KG.

Result:

Gastrointestinal: Nausea or vomiting.


Tumorigenic Effects:

TDLo, Oral, Rat, 70300. MG/KG, 2 Y.
Result:
Tumorigenic: Neoplastic by RTECS criteria.
Liver: Tumors.
Kidney, Ureter, Bladder: Kidney tumors.

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>3794-83-0</td>
<td>Tetrasodium Etidronate</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>140-01-2</td>
<td>Pentasodium Pentatate</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>5064-31-3</td>
<td>Trisodium NTA</td>
<td>Possible</td>
<td>2B</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

General Ecological Information: No information available.

Results of PBT and vPvB assessment:

CAS# 140-01-2:
LC50, Bluegill (Lepomis macrochirus), 1115000. UG/L, 96 H, Mortality, Water temperature: 22.00 C (71.6 F) C, pH: 7.60, Hardness: 103.00 MG/L.
Result:
Morphological changes.
- Acute Fish Toxicity of the Versene Family of Chelating Agents, Batchelder, T.L., H.C. Alexander, and W.M. McCarty, 1980

Effective concentration to (0) % of test organisms, Bluegill (Lepomis macrochirus), 750000. UG/L, 96 H, Mortality, Water temperature: 22.00 C (71.6 F) C, pH: 7.60, Hardness: 103.00 MG/L.
Result:
Morphological changes.
- Acute Fish Toxicity of the Versene Family of Chelating Agents, Batchelder, T.L., H.C. Alexander, and W.M. McCarty, 1980

Persistence and Degradability: No information available.

Bioaccumulative Potential: No information available.

Mobility in Soil: No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Discarded product, as sold, would not be considered a RCRA Hazardous Waste. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.
Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.
14. TRANSPORT INFORMATION

GHS Classification:  
Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed  
Skin Corrosion/Irritation, Category 2 - Warning! Causes skin irritation  
Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation  
Toxic To Reproduction, Category 2 - Warning! Suspected of damaging fertility or the unborn child

LAND TRANSPORT (US DOT):  
DOT Proper Shipping Name: Not regulated as a hazardous material.  
DOT Hazard Class: 
UN/NA Number:

LAND TRANSPORT (Canadian TDG):  
TDG Shipping Name: Not regulated as a hazardous material.

MARINE TRANSPORT (IMDG/IMO):  
IMDG/IMO Shipping Name: Not regulated as a hazardous material.  
UN Number: [N]  
Hazard Class: 
IMDG MFAG Number: |

AIR TRANSPORT (ICAO/IATA):  
ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

Additional Transport Information

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Hazardous Components (Chemical Name)</th>
<th>S. 302 (EHS)</th>
<th>S. 304 RQ</th>
<th>S. 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3794-83-0</td>
<td>Tetrasodium Etidronate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>140-01-2</td>
<td>Pentasodium Pentatate</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>5064-31-3</td>
<td>Trisodium NTA</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections

- Acute (immediate) Health Hazard: [X] Yes [ ] No
- Chronic (delayed) Health Hazard: [X] Yes [ ] No
- Fire Hazard: [ ] Yes [X] No
- Sudden Release of Pressure Hazard: [ ] Yes [X] No
- Reactive Hazard: [ ] Yes [X] No

Other US EPA or State Lists

- CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
- CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
- CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

International Regulatory Lists

- Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes;
- Australia ICS: Yes; China IECSC: Yes; Japan ENCS: Yes - (2)-2936; Korea ECL: Yes - KE-20519; Philippines ICCS: Yes;
- Taiwan TCSCA: Yes; REACH: Yes - (R), (P)
- Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes;
Regulatory Information

Statement: Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form. If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

16. OTHER INFORMATION

Revision Date: 06/16/2015
Preparer Name: Compass EHS Department (404)696-6711 4071

Hazard Rating System:

- **HEALTH**: 2
- **FLAMMABILITY**: 0
- **PHYSICAL**: 0
- **PPE**: Dn

HMIS:

- NFPA:
  - Health: 1
  - Flammability: 0
  - Instability: 1
  - Special Hazard: 0

Additional Information About This Product: SDS Data Field Acronym Legend:

- NA: Not Available
- NE: Not Established
- NP: Not Applicable
- NR: Not Required
- PR: Proprietary
- TS: Trade Secret

Company Policy or Disclaimer:

MANUFACTURER DISCLAIMER: NOTICE: We believe that the information contained on this Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all-inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulation, rules or insurance requirements. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.