LOTIONCRAFTER
MATERIAL SAFETY DATA SHEET

DATE PRINTED: 06/24/04

Lotioncrafter Tetrasodium EDTA

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME
Tetrasodium EDTA

CHEMICAL NAME
Ethylenediaminetetraacetic acid, tetrasodium salt hydrate

SYNONYM
Tetrasodium EDTA hydrate

CHEMICAL FORMULA
Mixture

CAS #
MIXTURE

CHEMICAL FAMILY
Aminocarboxylic acid salt

DISTRIBUTORS NAME
Lotioncrafter

PRODUCT/TECHNICAL INFORMATION
1-360-376-8008

ADDRESS
532 Point Lawrence Road
Olga, WA 97279

COUNTRY
USA

TRANSPORTATION EMERGENCY
CHEMTREC 1-800-424-9300

PRODUCT USE
Sequestering agent

ISSUE DATE
6/24/2004

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
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<th>SUBSTANCE DESCRIPTION</th>
<th>PERCENT</th>
<th>CAS#</th>
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<td>Water</td>
<td>15.000-17.000</td>
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SECTION 3. HAZARDS IDENTIFICATION

Appearance & Odor
White crystalline solid with no odor.

STATEMENT OF HAZARDS
WARNING!
CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION

Fire & Explosion Hazards
Not considered a fire hazard. When involved in a fire, does not contribute any unusual hazards.

Potential for dust explosion may exist. This product is not defined as flammable or combustible.
Depending upon conditions, dusts may be sensitive to static discharge. Avoid possibility of dry powder and friction causing static electricity in presence of flammables. (See NFPA-77, Chpt. 6)

Primary Route of Exposure
Skin and eye contact and inhalation of dust are the principal routes of exposure to this product.
SECTION 3. HAZARDS IDENTIFICATION (CONTINUED)

Inhalation Acute Exposure
Inhalation of powder or dust may cause respiratory tract irritation.

Skin Contact. ACUTE
Skin contact may cause irritation.

Eye contact -ACUTE
Eye contact may cause irritation.

Ingestion. ACUTE
Acute ingestion effects of this product are not known.

CARCINOGENICITY
IARC NO OSHA NO
NTP NO ACGIH NO

SECTION 4. FIRST AID MEASURES

Inhalation First Aid
Remove to fresh air. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention.

Skin Contact- First Aid
Remove contaminated clothing and equipment. Wash all affected areas with plenty of soap and water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Wash any contaminated clothing and shoes before reuse. Obtain medical advice if irritation occurs.

Eye Contact -First Aid
Flush eyes with large quantities of running water for a minimum of 15 minutes. If the victim is wearing contact lenses, remove them. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils or ointments should not be used at this time. Get medical attention if eye irritation occurs.

Ingestion - First Aid
Give several glasses of water. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give fluids again. Seek medical attention if health effects occur.

Medical Conditions Aggravated
There are no data available that address medical conditions that are generally recognized as being aggravated by exposure to this product.

Note to Physician
No specific antidote is known. Based on the individual reactions of the patient, the physician’s judgment should be used to control symptoms and clinical conditions.
SECTION 5. FIRE FIGHTING MEASURES

| FLASH POINT | N/D F | N/D C | FLASH METHOD | Not applicable |
| AUTO IGNITION TEMPERATURE | N/D F | N/D C | UPPER EXPLOSION LIMIT | N/D |

Extinguishing Media
This product is noncombustible. If involved in a fire, extinguishing agents suitable for surrounding materials should be used.

Fire Fighting Procedures
As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Fire & Explosion Hazards
Not considered a fire hazard. When involved in a fire, does not contribute any unusual hazards. Potential for dust explosion may exist. This product is not defined as flammable or combustible. Depending upon conditions, dusts may be sensitive to static discharge. Avoid possibility of dry powder and friction causing static electricity in presence of flammables. (See NFPA-77, Chpt. 6)

Other Fire + Explosion Hazards
No other explosion hazards of this product are known.

Hazardous Products/Combustion
Oxides of carbon and nitrogen sodium hydroxide and ammonia are produced during the decomposition of this product.

| NFPA HEALTH RATING | 1 | N/A |
| NFPA FLAMMABILITY RATING | 1 |
| NFPA REACTIVITY RATING | 1 |
| NFPA OTHER | N/A |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Cleanup
Stop source of spill. Sweep up spilled solid material, being careful not to create dust. Return sweepings to stock or, if contaminated, place into a chemical waste container for disposal.

SECTION 7. HANDLING AND STORAGE

Handling
Avoid prolonged and/or repeated skin and eye contact and inhalation. Minimize the generation or dust when handling this product.

Storage
Keep container closed and dry.

MAXIMUM STORAGE TEMPERATURE
N/D F N/D C

General Comments
Avoid contact with aluminum and zinc.
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection
If handling operations lead to dusting, wear a NIOSH-approved half-mask, air purifying respirator with dust, mist and fume filters. When using respirator cartridges or canisters, they must be changed frequently (following each use or at the end of the workshift) to assure breakthrough exposure does not occur.

Skin Protection
Skin contact with this product should be minimized through the use of suitable protective clothing and gloves selected with regard for use condition exposure potential.

Eye Protection
Indirect vented, dust-tight goggles are recommended if dust is generated when handling this product.

Ventilation Protection
Special ventilation is usually not required under normal use conditions. General plant ventilation should be adequate in most cases.

Other Protection
All food and smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly washed.

APPLICABLE EXPOSURE LIMITS
In addition to any exposure limits displayed below, exposures to this product should be controlled below limits established for “Particulates Not Otherwise Classified (PNOC):” 10 mg/m³ – ACGIH 15 mg/m³ (total dust); 5 mg/m³ (respirable fraction) – OSHA

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<th>Substance Description</th>
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<th>TLV</th>
<th>TWA</th>
<th>STEL</th>
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<td>OSHA</td>
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Legend:
Exposure limit Descriptions

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<td>STEL</td>
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<td>TWA</td>
<td>Time Weighted Average</td>
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N/D = Not Determined
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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<td>EVAPORATION RATE</td>
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<td>BOILING POINT</td>
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<td>SPECIFIC GRAVITY</td>
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<td>MELTING POINT</td>
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<tr>
<td>CLOUD POINT</td>
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<tr>
<td>LOWER EXPLOSION LIMIT</td>
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SECTION 10. STABILITY AND REACTIVITY

**Stability**
This product is stable at ambient temperatures and atmospheric pressures. It is not self-reactive and is not sensitive to physical impact.

**Incompatibilities**
Avoid contact with aluminum, copper, copper alloys, zinc and nickel. This product is incompatible with strong oxidizers.

**Polymerization**
Hazardous polymerization will not occur.

**Decomposition**
Decomposition products are carbon dioxide, carbon monoxide, nitrogen oxides, sodium hydroxide, ammonia and water vapor.

**Conditions to Avoid**
Contact with strong oxidizers and prolonged storage at elevated temperatures should be avoided.

SECTION 11. TOXICOLOGICAL INFORMATION

**Toxicological – Inhalation**
Inhalation toxicity data are not available for this product.

**Inhalation Chronic Exposure**
Chronic inhalation exposure effects for this product are not known.

**Toxicological – Dermal**
Dermal toxicity data are not available for this product.

**Skin Contact – Chronic**
Chronic dermal exposure effects for this product are not known.

**Toxicological – Eye**
This product is a mild irritant to the eyes.

**Toxicological – Ingestion**
The oral LD50 for this material is > 2000 mg/kg in rats.

**Ingestion – Chronic**
Chronic ingestion effects of this product are not known.
SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

CARCINOGENICITY/MUTAGENICITY
The carcinogenic/mutagenic properties of this product are not known.

REPRODUCTIVE EFFECTS
EDTA and its sodium salts have been reported, in some studies, to cause birth defects in laboratory animals only at exaggerated doses that were toxic to the mother. These effects are likely associated with zinc deficiency due to chelation. Exposures having no effect on the mother should have no effect on the fetus.

NEUROTOXICITY
The neurotoxic effects of this product are not known.

Other Toxicological Effects
No other toxic effects of this product are not known.

Target Organs
The kidney and bladder appear to be target organs.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
24h-EC50, Daphnia magna: 1033 mg/l (Lit.)

DISTRIBUTION
Other ecological information on this product is not known.

CHEMICAL FATE
Chemical fate information on this product is not known.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal
In its unused condition, this product is not considered to be a RCRA defined hazardous waste by characteristics or listings. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristic or listing.

Dispose in accordance with all local, state and federal regulations.

CONTAINER DISPOSAL
Containers should be cleaned of residual product before disposal. Empty containers should be disposed of in accordance with all applicable laws and regulations.

SECTION 14. TRANSPORT INFORMATION

SHIPPING DESCRIPTION
This product is not regulated for shipping.

REQUIRED LABELS
Not regulated for shipping; no transport labels required.

ENVIRON. HAZARDOUS SUBSTANCE
This product does not contain an environmentally hazardous substance per 49 CFR 172.101, Appendix A.

SECTION 15. REGULATORY INFORMATION

Component Tetrasodium EDTA is subject to the following

Environmental List
- DSL Domestic Substance List - Canada
- TSCA Toxic Subst. Cont. Act - listed
Lotioncrafter Tetrasodium EDTA

SECTION 15. REGULATORY INFORMATION (CONTINUED)

Component Water is subject to the following Environmental List

| DSL | Domestic Substance List - Canada |
| TSCA | Toxic Subst. Cont. Act - listed |

OTHER REGULATORY INFORMATION

No other regulatory information is available on this product.

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<tr>
<th>WHMIS HADAR CLASS</th>
<th>HAZARD RATING SOURCE</th>
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<tbody>
<tr>
<td>D-2b</td>
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<td>FLAMMABILITY</td>
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SECTION 16. OTHER INFORMATION

OTHER INFORMATION

KEY TO ABBREVIATIONS:

| EQ = Equal     | LT = Less Than      | GT = Greater Than |
| AP = Approximately | TR = Trace          | ND = No Data Available |

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