

**LOTIONCRAFTER  
MATERIAL SAFETY DATA SHEET**

DATE PRINTED: 06/24/04

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**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

**Medical/HANDLING EMERGENCY**  
1-914-693-6946

**COUNTRY**  
USA

**TRANSPORTATION EMERGENCY**  
CHEMTREC 1-800-424-9300

**PRODUCT USE**  
Sequestering agent

**REVISION DATE**

**ISSUE DATE**  
6/24/2004

**REVISION NO.**

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>SUBSTANCE DESCRIPTION</b>	<b>PERCENT</b>	<b>CAS#</b>
Tetrasodium EDTA	83.000- 85.000	64-02-8
Water	15.000-17.000	7732-18-5

**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.

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**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.

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**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 use.

**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

**NFPA FLAMMABILITY RATING**

1

**NFPA REACTIVITY RATING**

1

**NFPA OTHER**

NA

**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/m<sup>3</sup> - ACGIH

15 mg/m<sup>3</sup> (total dust); 5 mg/m<sup>3</sup> (respirable fraction) - OSHA

**EXPOSURE LIMITS/REGULATORY INFORMATION (IN MG/M<sup>3</sup>)**

Substance Description	Reg. Agcy	PEL	TLV	TWA	STEL	CEIL
<b>Tetrasodium EDTA</b>	OSHA	N/D	N/D	N/D	N/D	N/D
	ACGIG	N/D	N/D	N/D	N/D	N/D
	NIOSH	N/D	N/D	N/D	N/D	N/D
	SUPPLIER	N/D	N/D	N/D	N/D	N/D
<b>Water</b>	OSHA	N/D	N/D	N/D	N/D	N/D
	ACGIG	N/D	N/D	N/D	N/D	N/D
	NIOSH	N/D	N/D	N/D	N/D	N/D
	SUPPLIER	N/D	N/D	N/D	N/D	N/D

**Legend:**

**Exposure limit Descriptions**

CEIL            Ceiling Exposure Limit  
PEL            Permissible Exposure Limit  
STEL           Short Term Exposure Limit  
TLV            Threshold Limit Value  
TWA            Time Weighted Average  
N/D = Not Determined

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>VAPOR PRESSURE (mm Hg)</b> N/D	<b>VAPOR DENSITY (Air = 1.0)</b> N/D
<b>EVAPORATION RATE</b> N/D	<b>VOLATILE %</b> N/D
<b>BOILING POINT</b> N/D F N/D C	<b>ODOR THRESHOLD (ppm)</b> N/D
<b>SPECIFIC GRAVITY</b> N/D	<b>BULK DENSITY</b> AP 55-60 lb/ft <sup>3</sup> (0.88-0.96 g/m <sup>3</sup> )
<b>SOLUBILITY IN WATER</b> AP 50%	<b>SOLUBILITY IN OTHER SOLVENTS</b> N/D
<b>COEFFICIENT OF OIL/WATER</b> N/D	<b>POUR POINT</b> N/D F N/D C
<b>MELTING POINT</b> N/D F N/D C	<b>pH FACTOR</b> 10.5 - 11.5 (1% solution)
<b>CLOUD POINT</b> N/D F N/D C	<b>FLASH POINT</b> N/D F N/D C
<b>FLASH METHOD</b> Not applicable	<b>UPPER EXPLOSION LIMIT</b> N/D
<b>LOWER EXPLOSION LIMIT</b> N/D	<b>AUTO IGNITION TEMPERATURE</b> N/D F N/D C
<b>OTHER</b> None	

**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.

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**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

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**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.

**WHMIS HAZARD CLASS**

D-2b

**HEALTH**

1

**FLAMMABILITY**

1

**HAZARD RATING SOURCE**

HMIS

**REACTIVITY**

0

**OTHER**

**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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