

SAFETY DATA SHEET

SDS NUMBER: 1000017203-15-LPI

SDS REVISIONS: SECTION 2

DATE OF ISSUE: 03/31/15

WATER-SOFT™

SUPERSEDES: 06/09/14

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER****1.1 PRODUCT IDENTIFIER:****TRADE NAME:** WATER-SOFT™**1.2 RECOMMENDED USE:** WATER CONDITIONER**1.3 SUPPLIER DETAILS:**

LOVELAND PRODUCTS, INC.

P.O. Box 1286 • Greeley, CO 80632-1286

1.4 24-Hour Emergency Phone: 1-800-424-9300 - **Medical Emergencies:** 1-866-944-8565**U.S. Coast Guard National Response Center:** 1-800-424-8802**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****Classification according to 29 CFR 1910.1200**

Eye Damage

Category 1

H318

Skin Corrosion / Irritation

Category 2

H315

Aspiration Hazard

Category 1

H304

2.2 Label elements

Signal word:

DANGER

Hazard Statement:

H318 – Causes serious eye damage.

H315 – Causes skin irritation.

H304 – May be fatal if swallowed and enters airways.

Precautionary

Statement:

P102 – Keep out of reach of children.

P103 – Read label before use.

P233 – Keep container tightly closed.

P234 – Keep only in original container.

P261 – Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 – Wash...thoroughly after handling.

(Prevention):

P270 – Do not eat, drink or smoke when using this product.

P280 – Wear protective gloves / eye protection / face protection.

Precautionary

Statement:

P301+P310+P331 – IF SWALLOWED: Immediately call a POSION CENTER or doctor / physician. Do NOT induce vomiting.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+P313 – If eye irritation persists: Get medical advice or attention.

P332+P313 – If skin irritation occurs: Get medical advice or attention.

P362 – Take off contaminated clothing and wash before reuse.

Precautionary

Statement:

(Storage):

P405 – Store locked up.

P501 – Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, and national regulations.

2.3 Other hazards

None known

KEEP OUT OF REACH OF CHILDREN –

Appearance and odor: Clear, light yellow liquid with slight odor.

Potential Health effects**Routes of exposure**

Eye contact, skin contact, inhalation.

Eyes

Causes eye irritation.

Skin

May be irritating to skin.

Inhalation

Exposure to an excessive concentration of vapors, mist, fumes or aerosols may cause respiratory tract discomfort and/or mild irritation.

Ingestion

May be harmful if swallowed.

Target organs

Skin. Eyes. Inhalation.

Signs and symptoms

Causes irritation to the eyes. May cause irritation to the skin and respiratory system.

Potential environmental effects

This product is not expected to be harmful to aquatic life. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

SAFETY DATA SHEET

SDS NUMBER: 1000017203-15-LPI

SDS REVISIONS: SECTION 2

DATE OF ISSUE: 03/31/15

WATER-SOFT™

SUPERSEDES: 06/09/14

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name:	CAS No.	Classification	Concentration [%]
Tetrasodium EDTA	64-02-8	Skin Corr. 2; H315 Eye Dam. 1; H318 Asp Haz. 1; H304	30 - 40

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

Eye contact:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Inhalation:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms : Risk of eye irritation. May cause skin irritation.

4.3 Immediate Medical Attention and Special Treatment

Treatment : Treat symptomatically. Symptoms may be delayed.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565

Take container, label or product name with you when seeking medical attention.

NOTES TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Use water spray, dry chemical, or carbon dioxide extinguishing media.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: During a fire, thermal decomposition products may release toxic and/or hazardous fumes and gases including oxides of carbon.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

SAFETY DATA SHEET

SDS NUMBER: 1000017203-15-LPI

SDS REVISIONS: SECTION 2

DATE OF ISSUE: 03/31/15

WATER-SOFT™

SUPERSEDES: 06/09/14

6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Personal Precautions: Avoid inhalation of vapors, fumes, and spray mist and prolonged or repeated contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers, or watercourses.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to Remove residual contamination.
Never return spills to original containers for re-use.

7. HANDLING AND STORAGE**7.1 PRECAUTIONS FOR SAFE HANDLING:**

Advice on Safe Handling : Avoid inhalation of vapors / spray mist or fumes and contact with eyes, skin and clothing. Do not breathe mist or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store locked up. Store in a cool, well-ventilated place. Store in original container tightly closed. Containers should not be open until ready for use. Do not reuse empty container. Store between 40°F and 90°F. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 CONTROL PARAMETERS:
OCCUPATIONAL EXPOSURE LIMITS
ACGIH TLVs TWA**

Components	Type	Value
No data		

Biological limit values

ACGIH Biological Exposure Indices		
Components	Value	Specimen
No data		

8.2 EXPOSURE CONTROLS:**Engineering Measures**

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

Individual Protection Measures:

Eye / Face Protection: Chemical goggles are recommended.

Skin Protection: Chemical resistant clothing is recommended. Routinely wash work clothing and protective equipment to remove contaminants. The use of neoprene gloves is recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. Wear respiratory protection during operations where spraying or misting occurs. Wear air supplied respiratory protection. In the U.S.A., if respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

SAFETY DATA SHEET

SDS NUMBER: 1000017203-15-LPI

SDS REVISIONS: SECTION 2

DATE OF ISSUE: 03/31/15

WATER-SOFT™

SUPERSEDES: 06/09/14

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE :	Liquid
ODOR:	Slight.
ODOR THRESHOLD:	Not determined.
COLOR :	Light yellow.
pH :	~ 11.5 (1% solution).
MELTING POINT / FREEZING POINT:	< -18°C / < -0°F (Freezing point)
BOILING POINT:	224.6°F / 107°C
FLASH POINT:	Not flammable or combustible
FLAMMABILITY (solid, gas):	Does not support combustion.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available
VAPOR PRESSURE:	23.8 torr @ 25°C.
SOLUBILITY:	Miscible
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	Log P _{ow} < 0.
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	Not determined
VISCOSITY :	~ 19 mPa.s @ 20°C
SPECIFIC GRAVITY (Water = 1):	1.25 – 1.33 g/ml
BULK DENSITY:	10.43 – 11.10 lbs/gal. / 1.25 – 1.33 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample.
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal temperature conditions

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

Avoid contact with strong oxidizers. May react violently with isocyanates.

10.5 INCOMPATIBLE MATERIALS

Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may include and are not limited to: oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Eye contact, skin contact.

LC₅₀ (rat): No data available.

LD₅₀ Oral (rat): 1,780 mg/kg (Tetrasodium EDTA)

LD₅₀ Dermal (rabbit): No data available

Skin Irritation (rabbit):

LD₅₀ Dermal (rat): No data available.

LD₅₀ Oral (rat): No data available.

Eye Irritation (rabbit): No data available.

Specific Target Organ Toxicity: No data available.

Aspiration: No data available

Skin Sensitization (guinea pig): Not a sensitizer

Carcinogenicity: No data available

Germ Cell Mutagenicity: No data available

Interactive Effects: None known

SAFETY DATA SHEET

SDS NUMBER: 1000017203-15-LPI

SDS REVISIONS: SECTION 2

DATE OF ISSUE: 03/31/15

WATER-SOFT™

SUPERSEDES: 06/09/14

12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

The product is very toxic to aquatic organisms and may cause long-term effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.

Ecotoxicological Data

Components		Species	Test Results
Tetrasodium EDTA (CAS: 64-02-8)			
Aquatic			
Crustacea	EC ₅₀	Daphnia	140 mg/l, 48 hours
Fish	LC ₅₀	Bluegill	> 1,000 mg/l, 96 hours

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: Tetrasodium EDTA (CAS: 64-02-8) – Inherently biodegradable – EDTA (acid form) and its salts are not readily biodegradable. Under special conditions like adaptation or slightly alkaline pH, which is realistic under environmental surface water conditions, the biodegradability of EDTA is considerably enhanced and as such EDTA is considered ultimately biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not expected due to the substance's high water solubility. Log P_{ow} < 0

12.4 MOBILITY IN SOIL

This product is not expected to disperse in soil due to ionic structure. Substance will preferably distribute into the water compartment and not evaporate from the water surface.

12.5 OTHER ADVERSE EFFECTS

Assessment: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Do not contaminate water, food or feed by storage or disposal. Wastes may be disposed of on-site or at an approved waste disposal facility.

Triple rinse (or equivalent) adding rinse water to spray tank. Offer container for recycling or dispose of container in sanitary landfill, or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at www.acrecycle.org.

14. TRANSPORT INFORMATION

14.1 LAND TRANSPORT

DOT Shipping Description: NOT REGULATED

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60)

SAFETY DATA SHEET

SDS NUMBER: 1000017203-15-LPI

SDS REVISIONS: SECTION 2

DATE OF ISSUE: 03/31/15

WATER-SOFT™

SUPERSEDES: 06/09/14

15. REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS****NFPA & HMIS Hazard Ratings:**

NFPA

2	Health	0	Least
0	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

2	Health
0	Flammability
0	Reactivity
X	PPE

SARA Hazard Notification/Reporting**SARA Title III Hazard Category:**

Immediate	<u>Y</u>
Delayed	<u>N</u>

Fire	<u>N</u>
Reactive	<u>N</u>

Sudden Release of Pressure N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: Not listed.

16. OTHER INFORMATION

SDS STATUS: Section 2 revised

PREPARED BY: Registrations and Regulatory Affairs

REVIEWED BY: Environmental Health and Safety

™Water-Soft is a trademark of Loveland Products Inc.

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material or process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and LOVELAND PRODUCTS, INC. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.