



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Tetrasodium EDTA

INCI Name: Tetrasodium EDTA

Material Uses: Active ingredient in cosmetic and personal care applications.

Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

GHS08

GHS07

BLANK

BLANK

Hazard Pictograms:



Signal Word: Warning

Hazard Classification: Combustible dust
Acute toxicity, Category 4, Inhalation
Eye irritation, Category 2A
Specific target organ systemic toxicity - repeated exposure, Category 2, Inhalation Respiratory Tract

Hazard Statements: If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H373 May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.



Safety Data Sheet Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Precautionary Statements:

Prevention:

- P260 Do not breathe dust or fume.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear eye protection/face protection.

Response:

- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P314 Get medical advice/attention if you feel unwell.
- P337 + P313 If eye irritation persists: Get medical advice/attention.

Disposal:

Dispose of contents/container in accordance with local regulation.

Carcinogenicity:

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Section 3: Composition / Information on Ingredients

Common Name: Ethylenediaminetetraacetic acid, tetrasodium salt, tetrahydrate

Substance/Mixture: Substance

Name	Hazard Category	CAS#	Weight % w/w
Tetrasodium EDTA	Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2A; H319 STOT RE 2; H373	64-02-8	≥ 70 - < 90



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Section 4: First Aid Measures

General Info: Immediate medical attention is required. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.

Notable Exposure symptoms: The symptoms and effects are expected from the hazards as shown in Section 2. No specific product related symptoms are known. Treat symptomatically.

If ingested: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

If inhaled: Remove to fresh air. Keep patient warm and at rest. Rinse nose and mouth with water.

Eye contact: Rinse with plenty of water. Get medical attention immediately. Continue to rinse during transport of patient. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

Skin contact: Take off contaminated clothing and shoes immediately.

Section 5: Fire Fighting Measures

General Info: Flash point: Not applicable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Extinguishing Method /

Equipment: Carbon dioxide (CO₂), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

Hazardous Decomposition Info: Nitrogen oxides (NO_x).

Section 6: Accidental Release Measures

Personal precautions, protective

equipment and procedures: Use personal protective equipment. Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental Precautions: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains, inform respective authorities.

Containment Equipment

Cleanup and Procedures: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Section 7: Handling and Storage

Safe Handling Precautions: For personal protection see Section 8. Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid contact with skin, eyes and clothing. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Smoking, eating and drinking should be prohibited in the application area.

Recommendations for Storage: Prevent unauthorized access. Keep in a dry place. Store at room temperature in the original container. Keep container tightly closed.

Specific End Use(s): Active ingredient in cosmetic and personal care applications.

Section 8: Exposure Control / Personal Protection

Exposure Guidelines

Ingredients	CAS-No.	Value	Control Parameters	Update	Basis	Form of Exposure
Dust		TWA	50 Million particles per cubic foot	2011-07-01	OSHA Z-3	total dust
Further information	:	a: Based on impinger samples counted by light-field techniques. d: All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1. mppcf X 35.3 = million particles per cubic meter = particles per c.c				
Dust		TWA	15 mg/m ³	2011-07-01	OSHA Z-3	total dust
Further information	:	d: All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.				
Dust		TWA	5 mg/m ³	2011-07-01	OSHA Z-3	respirable fraction
Further information	:	d: All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.				
Dust		TWA	15 Million particles per cubic foot	2011-07-01	OSHA Z-3	respirable fraction
Further information	:	a: Based on impinger samples counted by light-field techniques. d: All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by this limit, which is the same as the Particulates Not Otherwise Regulated (PNOR) limit in Table Z-1.				



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

General / Engineering

Controls: Provide appropriate exhaust ventilation at places where dust is formed. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Tightly fitting safety goggles.

Hand Protection: Protective gloves.

Body Protection: Protective suit.

Respiratory Protection: Half mask with particle filter P2 (EN 143).

Thermal Hazards: None required under normal conditions of use.

Other: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

Environmental Exposure

Controls: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance: Powder

Color: White

Odor: Odorless

Odor Threshold: Not applicable

pH: 10.5 - 11.5 (1% water)

Melting Point: Decomposes before melting

Boiling Point: Not applicable

Flash Point (COC): Not applicable

Auto-ignition Temperature: $\geq 200^{\circ}\text{C}$. Method: Auto-ignition of a 5mm dust layer (EN 50281-2-1)

Decomposition Temperature: No data available

Evaporation Rate: Not applicable

Vapor Pressure: Not applicable

Explosive Limits: Not explosive

Vapor Density: Not applicable

Bulk Density: ca. 850 kg/m³

Water Solubility: ca. 1,000 g/l

Viscosity (cP): Not applicable

Explosion Properties: Not explosive

Oxidizing Properties: Not classified

Partition coefficient: log Pow: < 0

Other information: None available



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Section 10: Stability and Reactivity

Reactivity: Stable under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous

Reactions: Dust may form explosive mixture in air.

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition

Products: Carbon oxides. Nitrogen oxides (NO_x).

Section 11: Toxicological Information

Product Information Hazard Summary

Acute Toxicity: Harmful if inhaled.

Skin Corrosion/Irritation: Not classified based on available information.

Serious Eye Damage/Eye

Irritation: Causes serious eye irritation.

Respiratory or Skin

Sensitization: Not classified based on available information.

Germ Cell Mutagenicity: Not classified based on available information.

Carcinogenicity: Not classified based on available information.

Reproductive Toxicity: Not classified based on available information.

STOT-single exposure: Not classified based on available information.

STOT-repeated exposure: May cause damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled.

Aspiration Hazard: Not classified based on available information.

Potential Health Effects

Inhalation: Thermal decomposition can lead to release of irritating gases and vapors. Product dust may be irritating to respiratory system. Harmful if inhaled.

Skin: Product dust may be irritating to skin. May cause skin irritation.

Eyes: Causes serious eye damage.

Ingestion: May be harmful if swallowed.

Aggravated Medical Condition: None known.



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Symptoms of Overexposure: The symptoms and effects are as expected from the hazards as shown in Section 2. No specific product related symptoms are known.

Toxicology Assessment

Acute Oral Toxicity: 2,119 mg/kg estimated. Method: Calculation method.

Acute Inhalation Toxicity: 1.79 mg/l. Exposure time: 4 h. Test atmosphere: dust/mist. Method: Calculation method.

Target Organ Systemic

Toxicant - Repeated Exposure: Routes of exposure: Inhalation. Target organs: Respiratory Tract. The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Carcinogenicity: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Toxicology Data for the Ingredients

Component: Ethylenediaminetetraacetic acid, tetrasodium salt

Acute Oral Toxicity: LD50: 1,780 mg/kg. Species: Rat. Method: OECD Test Guideline 401.

Acute Inhalation Toxicity: LC50 (Rat): > 1 - 5 mg/l. Exposure time: 4 h. Test atmosphere: dust/mist. Method: OECD Test Guideline 412. Read-across (Analogy).

Skin Irritation: Species: Rabbit. Result: No skin irritation. Method: OECD Test Guideline 404. Read-across (Analogy).

Eye Irritation: Species: Rabbit. Result: Eye irritation. Method: OECD Test Guideline 405.

Sensitization: Maximization Test. Species: Guinea pig. Result: Does not cause skin sensitization. Method: OECD Test Guideline 406. Read-across (Analogy).

Germ Cell Mutagenicity

Genotoxicity in Vitro: Result: negative. Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay).

Genotoxicity in Vivo: Chromosome aberration test in vivo. Species: Mouse. Method: OECD Test Guideline 474. Result: Negative. Read-across (Analogy).

Carcinogenicity: Species: Rat. NOAEL: F1: > 250 mg/kg. Read-across (Analogy), Information taken from reference works and the literature.

Target Organ Systemic

Toxicant - Single Exposure: Based on available data, the classification criteria are not met.



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Target Organ Systemic

Toxicant - Repeated Exposure: Routes of exposure: Inhalation. Target organs: Respiratory Tract. The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

Aspiration Toxicity: Not classified due to data which are conclusive although insufficient for classification.

Section 12: Ecological Information

Product Information

Ecotoxicology Assessment: Additional ecological information: None known.

Test Result

Elimination Information (persistence and degradability)

Bioaccumulation: Not expected considering the low log Pow value.

Mobility: Absorption to the solid soil particles is not expected.

Biodegradability: Not readily biodegradable, but will degrade after a longer period.

Further Information on Ecology

Biochemical Oxygen Demand

(BOD): No data available.

Hazardous to Ozone Layer: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances.
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Ingredient Information

Test Result

Component: Ethylenediaminetetraacetic acid, tetrasodium salt

Ecotoxicity Effects

Toxicity to Fish: LC50: > 100 mg/l. Exposure time: 96 h. Species: Fish.

Toxicity to Daphnia and other Aquatic Invertebrates: EC50: 140 mg/l. Exposure time: 48 h. Species: Daphnia magna (water flea).

Aquatic Invertebrates: Method: DIN 38412. Read-across (Analogy).

Toxicity to Algae: EC50: 100 mg/l. Exposure time: 72 h. Species: Algae.

Toxicity to Fish (Chronic)

Toxicity: NOEC: > 25.7 mg/l. Exposure time: 35 d. Species: Danio rerio (zebra fish). Test Type: flow-through test. Method: OECD Test Guideline 210. Read-across.



Safety Data Sheet Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Toxicity to Daphnia and other

Aquatic Invertebrates: NOEC: > 25 mg/l. Exposure time: 21 d. Species: Daphnia magna (water flea).
Read-across (Analogy).

Elimination Information (persistence and degradability)

Bioaccumulation: Not expected considering the low log Pow value.

Mobility: Absorbtion to the solid soil particles is not expected.

Biodegradability: Not readily biodegradable, but will degrade after a longer period.

Further Information on Ecology

Biochemical Oxygen Demand

(BOD): No data available.

Section 13: Disposal Information

Product disposal: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Hazardous waste. Dispose of contents/container in accordance with local regulation.

Container disposal: Empty remaining contents. Dispose of as unused product.

Other considerations: No further information.

Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number:	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name:	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard Class(es):	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group:	Not applicable	Not applicable	Not applicable	Not applicable
Environmental Hazards:	Not applicable	Not applicable	Not applicable	Not applicable
Special Precautions for User:	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable	Not applicable	Not applicable	Not applicable



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Section 15: Regulatory Information

Notification Status

- DSL:** Yes. All components of this product are on the Canadian DSL.
- AICS:** Yes. On the inventory, or in compliance with the inventory.
- ENCS:** Yes. On the inventory, or in compliance with the inventory.
- ISHL:** Yes. On the inventory, or in compliance with the inventory.
- KECI:** Yes. On the inventory, or in compliance with the inventory.
- PICCS:** Yes. On the inventory, or in compliance with the inventory.
- IECSC:** Yes. On the inventory, or in compliance with the inventory.
- TSCI:** Yes. On the inventory, or in compliance with the inventory.
- TSCA:** Yes. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with the TSCA Inventory exemption.
- TSCA List:** TSCA 4(a)(2): No substances are subject to a Significant New Use Rule.
TSCA 12(b): No substances are subject to TSCA 12(B) export notification requirements.

EPCRA - Emergency Planning and Community Right to Know:

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Acute toxicity (any route of exposure). Serious eye damage or eye irritation.
Specific target organ toxicity (single or repeated exposure).

SARA 302: This material does not contain any components with a section 302 EHS TPQ.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act: This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act: This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

US State Regulations

Massachusetts RtK: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania RtK: Ethylenediaminetetraacetic acid, 64-02-8
tetrasodium salt
Water 7732-18-5

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.



Safety Data Sheet

Tetrasodium EDTA

Complies with 29 CFR 1910.1200

Section 16: Other Information

Indication of Changes: Version 1.2 created December 5, 2023

List of Relevant Phrases

(number and full text): Full text shown under Section 2.

Legal Disclaimer: Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

LOTIONCRAFTER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, LOTIONCRAFTER WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.