

## EDTA


Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

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### 1 PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	EDTA	<b>Distributor:</b>	MakingCosmetics Inc.
<b>Synonyms:</b>	Tetrasodium ethylenediaminetetraacetate	<b>Address:</b>	10800 231 <sup>st</sup> Way NE Redmond, WA 98053 (USA)
<b>INCI Name:</b>	Tetrasodium EDTA (Ethylenediaminetetraacetic Acid Tetrasodium Salt)	<b>Phone / Fax:</b>	425-292-9502 / 425-292-9601
<b>CAS Number:</b>	13235-36-4, 64-02-8	<b>Web:</b>	<a href="http://www.makingcosmetics.com">www.makingcosmetics.com</a>
<b>Formula:</b>	No data available	<b>Emergency Telephone Number:</b>	1-800-424-9300 (Chemtrec)
<b>Product Form:</b>	Solid (Powder)		
<b>Product Use:</b>	Cosmetic use		

### 2 HAZARDS IDENTIFICATION

GHS Classification:	Acute toxicity - Oral Category 4 Acute toxicity - Inhalation (Vapors) Category 4 Serious eye damage/eye irritation Category 1	
GHS Signal Word:	DANGER!	
GHS Hazard Pictograms:		
GHS Hazard Statements:	H302: Harmful if swallowed. H332: Harmful if inhaled. H318: Causes serious eye damage.	
GHS Precautionary Statements:	(Prevention) P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P264: Wash face, hands and any exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P280: Wear eye/face protection. (Response) P301: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. P305: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician (Disposal) Dispose of waste product or used containers according to local regulations.	
Unknown Acute Toxicity:	0.6 - 1% of the mixture consists of ingredient(s) of unknown toxicity.	
Potential Health Hazards:	Eyes: Causes serious eye damage. Inhalation: May be an irritant. Skin: May be an irritant. Ingestion: May cause nausea, vomiting, and diarrhea.	
NFPA Ratings (704):	Health	N/A N/A
	Flammability	N/A N/A
	Reactivity	N/A N/A
	Specific Hazard	N/A

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Tetrasodium EDTA	13235-36-4 / 64-02-8	>99%	452.2

### 4 FIRST AID MEASURES

<b>Eyes:</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>Skin:</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
<b>Ingestion:</b>	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Get medical attention.
<b>General Advice:</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Treat symptomatically.

## 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperatures. Use appropriate media (dry chemical, CO2, water spray, regular foam) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	Not applicable.
<b>Specific hazards arising from the chemical:</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors. See also Stability and reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
<b>Methods and material for containment and cleaning up:</b>	Collect spillage. Sweep up and shovel into suitable containers for disposal. Avoid generation of dust. Pick up and transfer to properly labeled containers. Dispose of absorbed material in accordance with the regulations.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapors/spray. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep tightly closed in a dry and cool place. Store away from incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
EDTA	Not available		

TWA: Time Weighted Average over 8 hours of work.  
 TLV: Threshold Limit Value over 8 hours of work.  
 REL: Recommended Exposure Limit  
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
 IDLH: Immediately Dangerous to Life or Health  
 WEEL: Workplace Environmental Exposure Levels  
 CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Wear safety glasses with side shields (or goggles).
<b>Inhalation:</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>Body:</b>	Wear suitable gloves (PPE18) Wear chemically resistant gloves (tested to EN374) in combination with intensive management supervision controls. Wear full protective clothing.
<b>Other:</b>	Use good personal hygiene practices. This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies. Ensure adequate ventilation, especially in confined areas. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder	<b>Vapor Pressure:</b>	2E-012 hPa at 25 °C
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	Not determined
<b>Odor Threshold:</b>	Not applicable	<b>Evaporation Rate:</b>	Not determined
<b>Color:</b>	White	<b>Flammability:</b>	Not highly flammable solid. Combustible solid.
<b>Molecular Weight:</b>	No data available	<b>Upper/lower Explosive Limit:</b>	No data available
<b>pH:</b>	Not determined	<b>Flash Point:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable	<b>Specific Gravity:</b>	Not determined
<b>Melting/Freezing Point:</b>	Decomposition >150 °C	<b>Water Solubility:</b>	500 g/l at 20 °C
<b>Relative Density:</b>	1.67 g/cm3 at 20 °C	<b>Auto-Ignition Temperature:</b>	>200 °C at 1013.25 hPa
<b>Partition Coefficient: n-octanol/water:</b>	Not determined	<b>Decomposition Temperature:</b>	>150 °C
<b>Dynamic &amp; Kinematic Viscosity:</b>	Not determined	<b>Explosive Properties:</b>	Not an explosive
<b>Oxidizing Properties:</b>	No oxidizing properties	<b>Metal Corrosion:</b>	No data available

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization:</b>	No data available.
<b>Conditions to Avoid:</b>	Dust formation.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Ammonia, Carbon oxides (COx), Nitrogen oxides (NOx).
<b>Possible Hazardous Reactions:</b>	None under normal processing.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	0.6-1% of the mixture consists of ingredient(s) of unknown toxicity.
<b>Skin:</b>	Substance may cause slight skin irritation.
<b>Eyes:</b>	Contact with eyes may cause irritation.
<b>Inhalation:</b>	Inhalation of vapors in high concentration may cause irritation of respiratory system. Component: Tetrasodium EDTA (CAS #: 64-02-8); Inhalation LC50 LOAEC: ca. 30 mg/m <sup>3</sup> air (male) based on: act. ingr. (Na2H2EDTA) (Basis for effect level: histopathology of the respiratory tract and lung weights).
<b>Ingestion:</b>	Ingestion may cause irritation to mucous membranes. (Rat, Male/Female) Component: Tetrasodium EDTA (CAS #: 64-02-8); Oral LD50 > 1780 <2000 mg/kg bw.
<b>Carcinogenicity:</b>	Not classified.
<b>Teratogenicity:</b>	No data available.
<b>Germ Cell Mutagenicity:</b>	Not classified.
<b>Embryotoxicity:</b>	No data available.
<b>Specific Target Organ Toxicity:</b>	Not classified.
<b>Reproductive Toxicity:</b>	Not classified.
<b>Sensitization:</b>	No sensitization responses were observed.
<b>Serious Eye Damage/Irritation:</b>	Causes serious eye damage.
<b>Skin Corrosion/Irritation:</b>	Non-irritating to the skin.
<b>Aspiration Toxicity:</b>	Not classified.

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available.
<b>Aquatic Vertebrate:</b>	(Lepomis macrochirus) Component: Tetrasodium EDTA (CAS #: 64-02-8); LC50 = 41 mg/L; 96 hours.
<b>Aquatic Invertebrate:</b>	(Daphnia magna) Component: Tetrasodium EDTA (CAS #: 64-02-8); EC50 = 610 mg/L; 24 hours.
<b>Aquatic Plants:</b>	(Desmodemus subspicatus) Component: Tetrasodium EDTA (CAS #: 64-02-8); EC50 = 2.77 mg/L; 72 hours.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	Material does not bioaccumulate.
<b>Mobility in Soil:</b>	No information available.
<b>PBT and vPvB Assessment:</b>	No data available.
<b>Other Adverse Effects:</b>	No information available.

## 13 DISPOSAL CONSIDERATIONS

<b>Waste Residues:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
<b>Product Containers:</b>	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

<b>DOT (Dept. of Transportation, USA):</b>	Not regulated.
<b>TDG (Transportation of Dangerous Goods, Canada):</b>	No data available.
<b>IMDG (International Maritime Dangerous Goods):</b>	No data available.
<b>IATA (International Air Transport Association):</b>	No data available.
<b>ICAO (International Civil Aviation Organization):</b>	No data available.

## 15 REGULATORY INFORMATION

<b>TSCA Inventory Status:</b>	Listed.
<b>Canada (DSL/NDSL):</b>	Listed.
<b>EU (EINECS/ELINCS):</b>	Listed.
<b>China (IECSC):</b>	Listed.
<b>Australia (AICS):</b>	Listed.
<b>Japan (ENCS):</b>	Listed.
<b>Philippines (PICCS):</b>	Listed.
<b>Korea (KECL):</b>	Listed.

## 16 OTHER INFORMATION

<b>Revision Date:</b>	28-Jul-2025
<b>Compliance:</b>	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
<b>Disclaimer:</b>	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.