

EDTA


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

Revision Date: 10-15-2019
Supersedes: 05-25-2015

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	EDTA	Distributor:	MakingCosmetics.com Inc.
Synonyms:	Ethylenediaminetetraacetic acid tetrasodium salt, tetrasodium EDTA dihydrate	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Tetrasodium EDTA	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	13235-36-4	Web:	www.makingcosmetics.com
Formula:	C ₁₀ H ₁₂ N ₂ O ₈ Na ₄ ·4H ₂ O	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)
Product Form:	Powder		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

GHS Classification:	Acute tox. 4, Eye Dam. 1												
GHS Signal Word:	DANGER												
GHS Hazard Pictograms:													
GHS Hazard Statements:	H302: Harmful if swallowed H318: Causes serious eye damage												
GHS Precautionary Statements:	P305, P351, P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.												
Potential Health Hazards:	Eyes: Irritant to the eyes. Inhalation: May cause irritation of the respiratory tract. Skin: May be irritant to the skin. Ingestion: May cause gastrointestinal irritation.												
NFPA Ratings (704):	<table border="0"> <tr> <td style="background-color: #0000FF; color: white;">Health</td> <td>1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #FF0000; color: white;">Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td style="background-color: #FFFF00; color: black;">Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>n/a</td> <td></td> </tr> </table>	Health	1	Slight	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	n/a	
Health	1	Slight											
Flammability	1	Slight											
Reactivity	0	Minimal											
Specific Hazard	n/a												

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
EDTA	13235-36-4	100%	452.2 g/mole

4 FIRST AID MEASURES

Eyes:	In case of eye contact, rinse with plenty of water and seek medical attention if necessary
Inhalation:	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin:	Flush with plenty of water and wash using soap.
Ingestion:	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

May be combustible at high temperature. Auto-ignition temperature (660°C (1220°F)). Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters:
Specific hazards arising from the chemical:

Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
 These products are carbon oxides (CO, CO₂). As with most powdered organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:

See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions:

Not available

Methods and material for containment and cleaning up:

Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities:

Store in cool, dry well ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component

EDTA

Exposure Limits

Not available

Basis

Entity

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:

Eyes: Not required, but wear chemical safety glasses or goggles.

Inhalation: Not needed under normal conditions of use.

Body: Slip proof shoes may be worn where spills may occur

Other: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:

Solid powder

Odor:

Odorless

Taste:

Not available

Color:

White to light beige

Molecular Weight:

416.23 g/mole

pH

11.3 (1% in water)

Boiling Point:

Not available

Melting Point:

Not available

Flash Point:

Not available

Specific Gravity:

0.77 (water = 1)

Vapor Pressure:

Not available

Saponification Value:

Not available

Iodine Value:

Not available

Flammability:

Not available

Peroxide Value:

Not available

Solubility:

Soluble in cold water

10 STABILITY AND REACTIVITY

Reactivity:	Product is stable
Chemical Stability:	Product is stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Avoid strong oxidizers
Incompatible Materials:	No known
Hazardous Decomposition Products:	No known
Special Remarks:	None

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Acute oral toxicity (LD50): >2000 mg/kg [rat]
Skin:	Slightly irritant in case of skin contact
Eyes:	Slightly irritant in case of eye contact
Respiratory:	Slightly irritant in case of inhalation
Ingestion:	Slightly irritant in case of ingestion
Carcinogenicity:	Not available
Teratogenicity:	Not available
Germ Cell Mutagenicity:	Not available
Embryotoxicity:	Not available
Specific Target Organ Toxicity:	Not available
Reproductive Toxicity:	Not available
Special Remarks:	Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity:	Ecotoxicity in water (LC50): 760 mg/l 96 hours [Bull gill sunfish]. 59.8 mg/l 96 hours [Fathead Minnow]
Persistence and Degradability:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available
PBT and vPvB Assessment:	Not available
Other Adverse Effects:	Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	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.
Product Containers:	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

DOT (Dept. of Transportation, USA):	Not regulated
TDG (Transportation of Dangerous Goods, Canada):	Not regulated

IMDG (International Maritime Dangerous Goods):	Not regulated
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	TSCA 8(b) inventory: not found
DSDL (EEC):	This product is not classified according to the EU regulations.
WHMIS (Canada):	Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date:	05-25-2015
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	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.