

## 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

<b>Product Name:</b>	EDTA	<b>Distributor:</b>	XI'AN AOGU BIOTECH CO.,LTD
<b>Synonyms:</b>	Ethylenediaminetetraacetic acid tetrasodium salt, tetrasodium EDTA dihydrate	<b>Address:</b>	Room 606,Block B3,Jinye Times, Yanta District,Xi'an Shaanxi 710065 China
<b>INCI Name:</b>	Tetrasodium EDTA	<b>Phone / Fax:</b>	0086-29-89121514
<b>CAS Number:</b>	13235-36-4	<b>Web:</b>	www.aogubio.com
<b>Formula:</b>	C10H12N2O8Na4·4H2O	<b>Emergency Telephone Number:</b>	0086-18091843361 (Chemtrec)
<b>Product Form:</b>	Powder		
<b>Product Use:</b>	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):**

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

<b>Suitable (and unsuitable) extinguishing media:</b>	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.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Specific hazards arising from the chemical:</b>	These products are carbon oxides (CO, CO <sub>2</sub> ). As with most powdered organic solids, fire is possible at elevated temperatures or by contact with an ignition source.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Not available
<b>Methods and material for containment and cleaning up:</b>	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

<b>Precautions for safe handling:</b>	See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Store in cool, dry well ventilated area. Keep 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>	Not required, but wear chemical safety glasses or goggles.
<b>Inhalation:</b>	Not needed under normal conditions of use.
<b>Body:</b>	Slip proof shoes may be worn where spills may occur
<b>Other:</b>	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance, Physical State:</b>	Solid powder	<b>Vapor Pressure:</b>	Not available
<b>Odor:</b>	Odorless	<b>Saponification Value:</b>	Not available
<b>Taste:</b>	Not available	<b>Iodine Value:</b>	Not available
<b>Color:</b>	White to light beige	<b>Flammability:</b>	Not available
<b>Molecular Weight:</b>	416.23 g/mole	<b>Peroxide Value:</b>	Not available
<b>pH</b>	11.3 (1% in water)	<b>Solubility:</b>	Soluble in cold water
<b>Boiling Point:</b>	Not available		
<b>Melting Point:</b>	Not available		
<b>Flash Point:</b>	Not available		
<b>Specific Gravity:</b>	0.77 (water = 1)		

## 10 STABILITY AND REACTIVITY

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

## 11 TOXICOLOGICAL INFORMATION

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

## 12 ECOLOGICAL INFORMATION

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



# SDS (Safety Data Sheet)

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**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  
**DSCL (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.