

# MATERIAL SAFETY DATA SHEET

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## ETHYLENE DIAMINE TETRA ACETIC ACID

### 1 PRODUCT IDENTIFICATION

Synonyms : EDTA  
: edetic acid  
: versene acid  
: ethylene diamine tetra acetic acid

CAS No. : 60-00-4  
Molecular Weight : 292.24  
Chemical Formula : C10H16N2O8

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

ethylene diamine tetra acetic acid	CAS No. 60-00-4	Percent 98%	Hazard Yes
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### 3 HAZARDS IDENTIFICATION

May be harmful if swallowed, May cause, Irritation to skin, eyes

Health Rating : 1 Slight  
Flammability Rating : 1 Slight  
Reactivity Rating : 0 None  
Contact Rating : 1 Slight  
Lab Protective Equipment : Goggles, Lab Coat, Proper Gloves

### 4 FIRST AID MEASURES

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

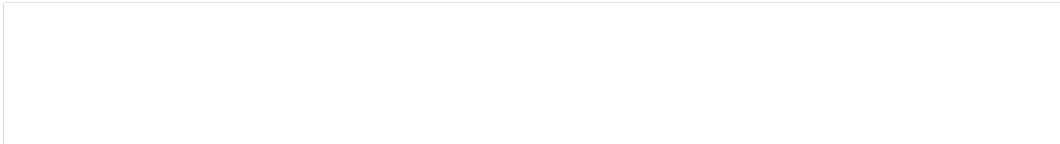
Ingestion : Give several glasses of water to drink to dilute. If large amount were swallowed, get medical advice.

Skin Contact : Wash affected area with water. Remove any contaminated clothing. Get medical attention if irritation develops

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

### 5 FIRE FIGHTING MEASURES

Fire : Not considered to be a fire hazard  
Explosion : Not considered to be an explosion hazard  
Extinguishing Media : Carbon dioxide foam, dry agent, water fog.



## 6 ACCIDENTAL RELEASE MEASURES

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Ventilate area of leak or spill. Wear appropriate personal protective equipment pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

## 7 HANDLING AND STORAGE

keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid contact with skin and eyes.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Equipment : If ventilation is insufficient, suitable respiratory protection must be provided  
Skin Protection : Wear protective gloves and clean body covering clothing.  
Eye Protection : Use chemical safety goggles. Maintain eye wash fountain and quick drench facilities in work area.  
Other Protection : Wear apron and safety footwear.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White Crystalline solid powder  
Odor : Odorless.  
Solubility : 0.05 G/100 ml @ 20° C  
Density : 0.9mg/cm<sup>3</sup>  
pH : 2.2 to 3.8  
Melting Point : 240° C  
Boiling Point : No information Found

## 10 STABILITY AND REACTIVITY

Stability : Stable under ordinary conditions of use and storage.  
Hazardous Decomposition : Carbon Monoxide, Carbon Dioxide, Nitrogen oxides.  
Hazardous Polymerization : Will not occur  
Condition to avoid : Avoid excessive heat for prolonged periods of time.

## 11 TOXICOLOGICAL INFORMATION

Inhalation : Irritating to respiratory systems.  
Ingestion : Harmful if swallowed.  
Skin and eye contact : Irritating to skin and eye.

## 12 ECOLOGICAL INFORMATION

Rainbow trout : 24 Hrs LC50 340mg/L  
Bluegill sunfish : 96 Hrs LC50 486mg/L  
Channel Catfish : 96 Hrs LC50 129mg/L

13 DISPOSAL CONSIDERATIONS

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Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Small quantities of waste may be disposed together with industrial waste.

14 TRANSPORT CONSIDERATIONS

Not regulated

15 REGULATORY INFORMATION

Risk Phrases : Harmful if swallowed.  
Safety Phrases : Avoid contact with skin and eyes.

16 OTHER INFORMATION

NEPA Ratings :  
Health : 1  
Flammability : 0  
Reactivity : 0

Leable Precautions :  
Avoide breathing dust  
Use with adequate Ventilation.  
Keep container closed.  
Wash thoroughly after handling.  
Avoide contact with eyes and skin.

Label First Aid :  
If swallowed, induce vomiting immediately as directed by medical person. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes and skin with plenty of water.

\*\*\*\*\*End of MSDS\*\*\*\*\*