



Safety Data Sheet  
According to the (US) Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	EDTA Powder, Disodium Salt, Dihydrate, ACS	
<b>NCL Catalog Number</b>	E-11	
<b>Product Description</b>	Laboratory chemical	
<b>Manufacturer</b>	EMD Chemicals Inc.	PO Box 70, 480 Democrat Road Gibbstown, NJ 08027
<b>Supplier</b>	NCL of Wisconsin, Inc. Telephone: 1-800-648-7836 Email: <a href="mailto:nclabs@nclabs.com">nclabs@nclabs.com</a>	PO Box 8, Birnamwood, WI 54414 Fax: 715-449-2454 Emergency Contact: 1-800-424-9300 (Chemtrec)

**SECTION 2: HAZARDS IDENTIFICATION**

**GHS Classification**

Acute Toxicity	Oral Category 4
Skin Irritation	Category 2
Eye Irritation	Category 2A
Specific Target Organ Toxicity	Single Exposure Category 3



**Signal Word**

Warning

**Hazard Statements**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**Precautionary Statements**

P261	Avoid breathing dust.
P264	Wash 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 protective gloves/protective clothing/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or 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.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to comply with local, state and federal regulations.

**Other Hazards Not Contributing to the Classification**

None under normal conditions.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Formula**

$(\text{HO}_2\text{CCH}_2)_2\text{NCH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CO}_2\text{Na})_2 \cdot \text{H}_2\text{O}$

**Substance**

Name	CAS #	Approximate %
EDTA, Disodium, Dihydrate	6381-92-6	100

**SECTION 4: FIRST AID MEASURES**

**Description of First Aid Measures**

**General First Aid Measures**

Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

**If Inhaled**

Remove person to fresh air and keep comfortable for breathing. Allow victim to rest. Get medical attention if you feel unwell.

**In Case of Skin Contact**

Remove contaminated clothing and wash exposed skin with mild soap and water. Rinse with warm water. Get medical attention if irritation develops.

**In Case of Eye Contact**

Immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops.

**If Swallowed**

Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

**Most Important Symptoms/Effects Acute and Delayed**

**After Inhalation**

May cause respiratory irritation.

**After Skin Contact**

Causes skin irritation.

**After Eye Contact**

Causes serious eye irritation.

**After Ingestion**

Swallowing a small quantity of this material will result in serious health hazard.

**Indication of Immediate Medical Attention and Special Treatment Needed**

No additional information available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media**

Foam. Dry powder. Sand. Carbon dioxide. Water spray.

**Unsuitable Extinguishing Media**

Do not use high pressure water stream.

**Special Hazards Arising from the Chemical**

No additional information available.

**Special Protective Actions for Fire-Fighters**

Wear self-contained breathing apparatus and protective clothing. Keep exposed containers cool with water spray.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions**

Use personal protective equipment (see section 8). Safety glasses, gloves. Evacuate area of non-essential personnel. Eliminate ignition sources.

**Environmental Precautions**

Prevent entry to surface and ground waters.

**Methods and Materials for Containment and Cleaning Up**

Sweep or shovel into suitable containers and minimize the formation of dust. Store away from other materials. Ensure compliance with local, state and federal regulations.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for Safe Handling**

Avoid contact with eyes and skin. Avoid breathing dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of dust.

**Conditions for Safe Storage**

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Including any Incompatibilities

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Control Parameters</b>	Not data available.
<b>Appropriate Engineering Controls</b>	Material should be handled or transferred in a fume hood or with equivalent ventilation. Maintain eye-wash fountain and quick-drench facilities in work area.
<b>Individual Protection Measures</b>	Avoid all unnecessary exposure.
<b>Eye/Face Protection</b>	Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye-wash fountain and quick-drench facilities in work area.
<b>Skin Protection</b>	Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.
<b>Respiratory Protection</b>	Wear appropriate mask.
<b>Other Information</b>	Do not eat, drink or smoke when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Solid, powder
<b>Molecular Mass</b>	372.23 g/mol
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not determined
<b>pH</b>	Not determined
<b>Melting Point/Freezing Point</b>	248°C/Not determined
<b>Initial Boiling Point and Boiling Range</b>	Not determined
<b>Flash Point</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Not determined
<b>Upper/Lower Flammability/Explosive Limits</b>	Not determined
<b>Vapor Pressure</b>	Not determined
<b>Vapor Density</b>	Not determined
<b>Relative Density</b>	Not determined
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient: n-octanol/water</b>	Not determined
<b>Auto-Ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Viscosity</b>	Not determined

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	No data available
<b>Chemical Stability</b>	Stable under ordinary conditions of use and storage.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Extremely high or low temperatures.
<b>Incompatible Materials</b>	Oxidizing agents, metals
<b>Hazardous Decomposition Products</b>	Nitrogen oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity</b>	Harmful if swallowed.
<b>EDTA, Disodium, Dihydrate (6381-92-6)</b>	
<b>LD50 oral rat</b>	2000 mg/kg
<b>Skin Corrosion/Irritation</b>	Causes skin irritation.
<b>Serious Eye Damage/Irritation</b>	Causes serious eye irritation
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive Toxicity</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure)</b>	May cause respiratory irritation.
<b>Specific Target Organ Toxicity (Repeated Exposure)</b>	Not classified
<b>Aspiration Hazard</b>	Not classified
<b>Potential Adverse Human Health Effects and Symptoms</b>	No data available
<b>Symptoms/Injuries After Inhalation</b>	May cause respiratory irritation.
<b>Symptoms/Injuries After Skin Contact</b>	Causes skin irritation.
<b>Symptoms/Injuries After Eye Contact</b>	Causes serious eye irritation.
<b>Symptoms/Injuries After Ingestion</b>	Swallowing a small quantity of this material will result in serious health hazard.
<b>Likely Routes of Exposure</b>	Inhalation, skin, and eye contact.
<b>Other Information</b>	Not available

## SECTION 12: ECOLOGICAL INFORMATION

<b>Toxicity</b>	Not applicable
<b>Persistence and Degradability</b>	Not applicable
<b>Bioaccumulative Potential</b>	Not applicable
<b>Mobility in Soil</b>	Not applicable
<b>Other Adverse Effects</b>	Not applicable

## SECTION 13: DISPOSAL CONSIDERATIONS

### Methods of Disposal

<b>Disposal Recommendations</b>	Dispose of contents/containers in accordance with local, state and federal regulations.
<b>Other Information</b>	Avoid release to the surrounding environment.

## SECTION 14: TRANSPORT INFORMATION

<b>UN Number</b>	Not applicable
<b>UN Shipping Name</b>	Not applicable
<b>Transport Hazard Class(es)</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Transport in Bulk</b>	Not applicable
<b>Other Precautions</b>	Not applicable

## SECTION 15: REGULATORY INFORMATION

**EDTA, Disodium, Dihydrate (6381-92-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**SECTION 16: OTHER INFORMATION**

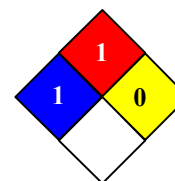
Revision Date: 04/06/2015

**NFPA Hazards**

**Health Hazard** 1: Exposure would cause irritation with only minor residual injury.

**Fire Hazard** 1: Must be preheated for ignition; flashpoint above 200°F (93°C).

**Reactivity** 0: Normally stable, even under fire exposure conditions, and are not reactive with water.



**HMIS III Rating**

**Health** 1: Irritation or minor reversible injury possible.

**Flammability** 1: Materials that must be preheated before ignition will occur. Includes liquids, solids and semisolids having a flashpoint above 200°F (93°C) (e.g., Canola oil).

**Physical Hazard** 0: Materials that are normally stable, even under fire conditions.

**Personal Protection** E

E-11	
Health	1
Flammability	1
Physical Hazard	0
Personal Protection	E

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, NCL of Wisconsin, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for their conditions of use. Accordingly, NCL of Wisconsin, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

**END OF SAFETY DATA SHEET**