

**Safety Data Sheet**

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Edetate Calcium Disodium USP (Hydrate)
Commercial Name N/A
Product Use Chelating Agent
Restrictions On Use N/A

Product Code 30-2059

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not Applicable.
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) N/A
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention N/A
Response N/A
Storage N/A
Disposal N/A

Section 3: Composition/Information on Ingredients

Substance/Mixture N/A
Components N/A
% By Weight N/A
CAS# 23411-34-9
Molecular Weight 374.27
Chemical Formula C₁₀H₁₂CaN₂Na₂O₈·xH₂O
Synonym(s) Calcium Disodium Edetate; Calcium Disodium Edetate, dihydrate; Calcium Disodium Ethylenediaminetetraacetate, dihydrate; Calcium Disodium (Ethylenenitrilo)tetraacetate; Calcium Disodium (Ethylenenitrilo)tetraacetate, dihydrate; Ethylenediaminetetraacetic Acid, Calcium Disodium Salt; Ethylenediaminetetraacetic Acid, Calcium Disodium Salt, dihydrate; Calcium Disodium EDTA; Edetate Calcium Disodium; Calcium Disodium EDTA dihydrate; Edetate Calcium Disodium dihydrate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
EDTA, calcium disodium salt	23411-34-9	100	Not available.	Not applicable.

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Section 4: First-Aid Measures

Inhalation Inhalation of dust may cause discomfort and/or mild irritation. Remove victim to fresh air. If breathing becomes difficult, oxygen may be given, preferably under physician's advice. If breathing has stopped, give artificial respiration. Get medical attention.

Skin Contact It is not expected to cause skin irritation. Remove contaminated clothing. Wash with soap and plenty of water for at least 15 minutes. Wash clothing before reuse. Get medical attention if irritation occurs.

Eye Contact It may cause mild physical eye irritation. Flush eyes immediately with large quantities of water for at least 15 minutes. If victim wears contact lenses and if easy to do, remove them. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not let victim rub eyes. Do not attempt to neutralize with chemical agents. Oil or ointments should not be used as first aid. If eye irritation occurs, get medical attention.

Ingestion Acute toxicity is low. Only induce vomiting at the instructions of a physician. If victim is conscious, rinse mouth and give large amounts of water to drink. If vomiting occurs, keep head below hips to reduce risk of aspiration. Never give anything by mouth to an unconscious person or convulsing. Get medical attention if health effect occurs.

Symptoms/Effects

Acute	N/A
Delayed	N/A

Immediate Medical Attention

Not available.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Water spray, carbon dioxide, dry chemical powder

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Toxic Gases Produced: Carbon monoxide, carbon dioxide and nitrogen oxides. When heated it emits smoke.

Firefighters Special Equipment and Precautions

Prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate all non-essential personnel from the fire area. Use water spray to cool nearby container and structures exposed to fire. Fire fighters should wear self-contained breathing apparatus. This product is not defined as flammable or combustible. However, potential for dust explosion may exist. Depending upon conditions, dusts may be sensitive to static discharge. Avoid possibility of dry powder with friction causing static electricity in presence of flammables.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedure: Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment. Safety, stop source of spill. Contain the spill to prevent spreading. Avoid inhalation of dust. Environmental precautions: Confine spillage to avoid contamination of water bodies. Do not disperse waste in the environment or in drain. Methods and material for cleaning: With clean shovel, carefully place material into container and cover, remove from area. Flush spill area with water. Dispose of waste product in accordance with federal, provincial and local regulations.

Section 7: Handling and Storage

Handling: Use the product in accordance with good working practice. Avoid dust generation. Avoid inhalation and prolonged and/or repeated skin and eye contact. Fire and explosion prevention: In certain concentrations the product may form an explosive dust-air mixture. Storage: Suitable for general chemicals storage areas. Keep containers tightly closed and dry. Do not store in contact with strong oxidizing agents, aluminum, nickel, copper and copper alloys. Store in PVC, PE, stainless steel tanks

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available.



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Engineering Controls

Special ventilation is usually not required under normal use conditions. Ensure that existing ventilation is sufficient to prevent the circulation and/or accumulation of dust in the air.

Personal Protection

Eye protection: Safety glasses or face shield. Skin protection: Impervious gloves and clothing.

Respiratory protection: Not required. However, if use conditions generate dust use a NIOSH approved respirator. Other: Safety shower and eyewash fountain in work area.

Section 9: Physical and Chemical Properties

Appearance	White, free-flowing microgranules		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	348 Degrees C (decomposes)	pH	6.5 - 8 (1% solution)
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	348 Degrees C	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	> 200°C
Flammability	Not flammable or combustibl	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Solubility in water: 800 g/L (20°C)		
Other	Molecular Weight: 374.3 (anhydrous)		

Section 10: Stability and Reactivity

Reactivity	None
Chemical Stability	Stable under recommended storage and handling conditions. Sensitivity to Impact or to Static Discharge has not been identified.
Hazardous Polymerization	Hazardous polymerization will not occur.
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents, aluminum, nickel, copper and copper alloys in combination with humidity/water.
Hazardous Decomposition Products	Under fire conditions may emit carbon monoxide, carbon dioxide and nitrogen oxides

Section 11: Toxicological Information

RTECS	EV8040000
Acute Toxicity	Inhalation LD50 (rat) EDTA CaNa2: > 1.13 mg/L (7-hour test in rats) Oral LD50 (rat) EDTA CaNa2: > 2000 mg/kg (10% solution)
Skin Corrosion/Irritation	It is not considered to be irritating to skin based on tests with related products.
Serious Eye Damage/Irritation	Minimally irritating to eyes based on tests with related products
Respiratory or Skin Sensitization	N/A
Germ Cell Mutagenicity	N/A
Carcinogenicity	: Not listed on NTP, IARC, ACGIH or OSHA
Reproductive Toxicity	: In animal studies, did not interfere with reproduction.
Routes of Entry	Eye contact, skin contact and inhalation

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Symptoms Related to Exposure

N/A

Potential Health Effects

N/A

Target Organ(s) N/A**Section 12: Ecological Information****Ecotoxicity**Bluegill (*Lepomis macrochirus*) - 96 hr - LC50 = 2340 mg/L**Persistence and Degradability**

Not readily biodegradeable.

Bioaccumulative Potential

Logpow = -10.42 (calculated by EPIWIN/KOWWIN model) Bioaccumulation is not expected due to the substance's highwater solubility.

Mobility in Soil

Potential for mobility in soil is high

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

It is the responsibility of the waste generator to evaluate whether his wastes are hazardous. Dispose in accordance with all local, state and federal regulations

Disposal of Container

Containers should be cleaned of residual product before disposal. Since emptied containers retain product residue, follow the warnings detailed in this document even after container is emptied. Empty containers should be disposed of or shipped in accordance with all applicable laws and regulations.

Other Considerations

N/A

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States).

Section 15: Regulatory Information**Regulations**

European and International Legislation: Reg. CE 1907/2006 (REACH) – Reg. CE 790/2009 – Reg. CE 453/2010– Reg. 1357/2014 ?

OSHA Hazard Communication Standard: This material is NOT considered hazardous by the OSHA Hazard Communication Standards [29 CFR 1910.1200]. ? It is recommended that the customer verifies if there exist specific regulations for the product utilization in the place where it will be used.

Other

Not controlled under WHMIS (Canada).

Section 16: Other Information

Not available.