

Section I. Product and Company Identification	
Product Name	Edetate Calcium Disodium USP (Hydrate)
Commercial Name	Versene CA Chelating Agent
Synonym(s)	Calcium Disodium Edetate; Calcium Disodium Edetate, dihydrate; Calcium Disodium Ethylenediaminetetraacetate, dihydrate; Calcium Disodium (Ethylenitrilo)tetraacetate; Calcium Disodium (Ethylenitrilo)tetraacetate, dihydrate; Ethylenediaminetetraacetic Acid, Calcium Disodium Salt;
Item Code	30-2059
CAS#	23411-34-9
RTECS	EV8040000
In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300	
Supplier	PCCA 9901 South Wilcrest Houston, TX 77099 Phone 1-800-331-2498 Fax 1-800-874-5760

Section II. Composition and Information on Ingredients				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
EDTA, calcium disodium salt	23411-34-9	100	Not available.	Not applicable.

Section III. Hazards Identification	
Potential Acute Health Effects	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section IV. First Aid Measures	
Eye Contact	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Other	

Section V. Fire and Explosion Data	
Flash Points	Not available.
Flammable Limits	May be combustible at high temperature.
Products of Combustion	These products are carbon oxides (CO, CO2). Some metallic oxides.
Fire Hazards	Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks. As with most organic solids, fire is possible at elevated temperatures
Explosion Hazards	Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks. Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Extinguishing Media to**Avoid****Other****Section VI. Accidental Release Measures**

Spill Cleanup Instructions Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section VII. Handling and Storage

Handling and Storage Info. Precautions: Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents. Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section VIII. Exposure Controls/Personal Protection

Personal Protection Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. In case of Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Other Protective Measures and Equipment Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Exposure Limits Not available.

Section IX. Physical and Chemical Properties

Appearance Solid. (Powdered solid.) Color: White Taste: Saline. (Slight.)

Odor Odorless.

Molecular Weight 410.3 g/mole

Boiling Point Not available.

Melting Point Not available.

Specific Gravity Not available.

Vapor Pressure Not applicable.

Vapor Density Not available.

Viscosity

Solubility Soluble in cold water.

Other

Section X. Stability and Reactivity Data

Stability The product is stable.

Conditions to Avoid Excess heat, dust generation, incompatible materials

Materials to Avoid Reactive with oxidizing agents.

Other Non-corrosive in presence of glass.

Section XI. Toxicological Information

Routes of Entry Inhalation. Ingestion.



Toxicity Data

Acute oral toxicity (LD50): >2000 mg/kg [Rat]. Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation. Acute Potential Health Effects: Skin: May cause irritation although it is considered essentially non-irritating. Eyes: May cause slight transient eye irritation. Corneal injury is unlikely. Inhalation: May cause respiratory tract irritation. Ingestion: Single dose oral toxicity is considered to be low. Small amounts swallowed incidental to normal handling are not likely to cause injury. Swallowing large amounts may cause injury. May cause gastrointestinal tract irritation with nausea, vomiting, diarrhea, excessive thirst, headache, malaise, fatigue, fever, chills, anorexia. It may affect the kidneys (nephrosis, glycosuria), liver, bone marrow/blood (transient bone marrow depression, anemia, prolonged thrombin time), cardiovascular system (hypotension).

Section XII. Ecological Information

Information

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Section XIII. Disposal Considerations

Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section XIV. Transport Information

DOT Classification

Not a DOT controlled material (United States).

Section XV. Other Regulatory Information

Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: Calcium Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: Calcium Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

Other

Not controlled under WHMIS (Canada).

Section XVI. Other Information

Other