



NFPA	HCS Risk Phrases	Protective Clothing
	HCS CLASS: Irritant	

Section I. Chemical Product and Company Identification

Common Name/ Trade Name	CALCIUM CHLORIDE SOLID	Revision Date: 7-21-05
Supplier	FRITZ INDUSTRIES, INC. 500 SAM HOUSTON ROAD MESQUITE, TX 75149 (972) 285-5471 (800) 955-1323	In Case of Emergency. (800) 424-9300 Week Days: (972) 285-5471 (800) 955-1323
Chemical Family	Inorganic Salt	
Material Uses		

Section II. Composition and Information on Ingredients

Name	CAS #	% by Weight	OSHA PEL	LC ₅₀ /LD ₅₀
Calcium chloride	10043-52-4	74-100	Not Established	Not Established

Section III. Hazards Identification

Emergency overview	Odorless, white pellets/flake. Causes eye irritation. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly after handling. Reacts with water to liberate heat.
Eye contact	May irritate or burn eyes.
Skin	May cause irritation.
Inhalation	Dust may cause irritation to mucous membranes and respiratory system.
Ingestion	Ingestion may cause nausea.
Chronic exposure	Carcinogen Status: OSHA- No NTP- No IARC- No

Section IV. First Aid Measures

Eye Contact	Flush eyes thoroughly with large amounts of water. If irritation or adverse symptoms develop, seek medical attention.
Skin Contact	Remove contaminated clothing and shoes. Wash affected area with soap or mild detergent.
Inhalation	Remove from exposure area to fresh air.
Ingestion	Get medical attention.

Section V. Fire and Explosion Data

Flammability of the Product	This material is noncombustible.
Explosion Hazards in Presence of Various Substances	Negligible fire hazard when exposed to heat or flame
Fire Fighting Media and Instructions	Move container(s) from fire area if you can without risk. Apply cooling water sides of containers that are exposed to flames until well after fire is out. Extinguish fire using agent suitable for type of surrounding fire and/or chemicals. Do not use water directly on material. Avoid breathing corrosive vapors; keep upwind. Dike area to prevent runoff and contamination of water sources.

Section VI. Accidental Release Measures

Leak/Spill	For dry spills place material in covered, clean, dry container for disposal.
Disposal	For dry spills place material in covered, clean, dry container for disposal. Observe all federal, state and local regulations when disposing of this substance.

Section VII. Handling and Storage

CALCIUM CHLORIDE SOLID

Handling	Avoid skin and eye contact and breathing dusts. Wash thoroughly after handling. Launder contaminated clothing before re-use.		
Storage	Observe all federal, state, and local regulations when storing this product. Store in a covered, clean and dry container away from incompatible material.		
Section VIII. Exposure Controls/Personal Protection			
Engineering Controls	Provide local exhaust ventilation system. Where there is possibility of exposure, eye wash fountain and safety shower should be provided within the immediate work area for emergency use.		
Personal Protection	<u>Eyes:</u> Wear safety glasses with splash shields or safety goggles/shield. <u>Body:</u> Wear appropriate protective (impervious) clothing. Leather work boots and/or leather products will dehydrate with resultant shrinkage and possible destruction. <u>Respiratory:</u> A respirator is not indicated under normal operating conditions. Use of a NIOSH approved respirator should be based upon the presence of nuisance dust. When warranted, use a face mask particulate respirator with a NIOSH N95 rating such as Moldex 2800N95, MSA 816581 or 3M 8576PN5 or equivalent. <u>Hands and Feet:</u> Wear appropriate non-leather protective gloves and boots.		
Section IX. Physical and Chemical Properties			
Physical state and Appearance	Solid	odor: Odorless color: White pellets/flakes	
Specific Gravity	2.15 @ 77°F (25°C)		
Water Solubility	40% @ 68°F (20°C) with evolution of heat		
Solvent Solubility	Soluble in alcohol, acetic acid and acetone		
Section X. Stability and Reactivity Data			
Stability	Reacts exothermically with water.		
Incompatibility with various substances	Strong oxidizing agents.		
Special Remarks for Reactivity	Polymerization does not occur under normal temperatures and pressures.		
Section XI. Toxicological Information			
TD _{Lo}	112g/kg, oral, 20 weeks, rat		
TD _{Lo}	274 mg/kg, subcutaneous, dog		
LD ₅₀	1000 mg/kg, oral, rat		
LD ₅₀	264 mg/kg, intraperitoneal, rat		
Carcinogen Status	None		
TD _{Lo}	112g/kg, oral, 20 weeks, rat		
Local Effects	Eye, mucous membrane and skin irritant		
Health Effects	Moderately toxic by ingestion, slightly toxic by dermal absorption		
Section XIV. Transport Information			
DOT Classification	This material is not regulated hazardous material.		
Section XV. Other Regulatory Information and Pictograms			
CERCLA	No		
SARA TITLE III	Section 311: Acute Hazard, Reactivity Hazard		
TSCA	Yes		
EINECS Status	Yes		
OSHA Process Safety	No		
California Proposition 65	No ingredients found on the Proposition 65 list		
WHMIS Classification	Not determined		
HMIS (U.S.A.)	<div><div>1 HEALTH</div><div>0 FLAMMABILITY</div><div>0 REACTIVITY</div><div>Ⓔ PROTECTIVE EQUIPMENT</div></div>	National Fire Protection Association (U.S.A.) Health	<div><div><div>1</div><div>0</div><div>1</div></div><div>Fire Hazard</div><div>Reactivity</div><div>Specific Hazard</div></div>
Section XVI. Other Information			
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