

GARDENA, CA
NEW BRUNSWICK, NJ

Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment						
	<table border="1"> <tr><td>Health Hazard</td><td style="text-align: center;">1</td></tr> <tr><td>Physical Hazard</td><td style="text-align: center;">0</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">0</td></tr> </table>	Health Hazard	1	Physical Hazard	0	Reactivity	0	
Health Hazard	1							
Physical Hazard	0							
Reactivity	0							
See Section 15.								

Section 1. Chemical Product and Company Identification		<i>Page Number: 1</i>
Common Name/ Trade Name	Calcium sulfate, anhydrous	CAS# 7778-18-9
Manufacturer	ProChem, Inc. 826 Roosevelt Rd Rockford, IL 61109	RTECS WS6920000
Commercial Name(s)	DRIERITE	TSCA TSCA 8(b) inventory: Calcium sulfate, anhydrous
Synonym	karstenite; muriacite; anhydrous sulfate of lime; anhydrous gypsum	CI# Not applicable.
Chemical Name	Calcium Sulfate, Anhydrous	IN CASE OF EMERGENCY CHEMTREC (24hr) 800-424-9300 CALL 815-398-1788
Chemical Family	Salt.	
Chemical Formula	CaSO ₄	
Supplier		

Section 2. Composition and Information on Ingredients					
		<i>Exposure Limits</i>			
Name	CAS #	TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	% by Weight
1) Calcium sulfate, anhydrous	7778-18-9	10	20		100
Toxicological Data on Ingredients		Not applicable.			

Section 3. Hazards Identification	
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, 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 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Serious Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation	Not available.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Contact with diazomethane causes an exotherm with may lead to detonation. Many metal oxo-compounds (nitrates, oxides, and particulary sulfates) and sulfides are reduced violently or explosively (undergo a thermite reaction) on heating an intimate mixture with aluminum powder to a suitably high temperature to initiate the reaction.

Section 6. Accidental Release Measures

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. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7. Handling and Storage

Precautions	Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids.
Storage	Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8. Exposure Controls/Personal Protection

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.
Personal Protection	Safety glasses. Lab coat. Gloves (impervious).
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	TWA: 10 (mg/m ³) from ACGIH (TLV) [United States] Inhalation TWA: 5 (mg/m ³) from OSHA (PEL) [United States] Inhalation TWA: 10 STEL: 20 (mg/m ³) from British Columbia Occupational Exposure Limits [Canada] Inhalation Total. TWA: 3 (mg/m ³) from British Columbia Occupational Exposure Limits [Canada] Inhalation Respirable. Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid. (Crystals solid. Powdered solid.)	Odor	Odorless.
Molecular Weight	136.14 g/mole	Taste	Not available.
pH (1% soln/water)	Not available.	Color	White or white with varied colored (blue, gray or reddish) tinge
Boiling Point	Not available.		
Melting Point	1450°C (2642°F)		
Critical Temperature	Not available.		
Specific Gravity	2.96 (Water = 1)		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Very slightly soluble in cold water.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Moisture, incompatible materials
Incompatibility with various substances	Reactive with oxidizing agents, acids.

Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Hygrosopic. Incompatible with Diazomethane, aluminum, magnesium, phosphorous, and water Contact with diazomethane causes an exotherm with may lead to detonation. Reacts with water to form gypsum and Plaster of Paris. Excess Phosphorous Red will burn admixed with Calcium Sulfate + potassium nitrate-calcium silicide mixture if primed at high temperature. Many metal oxo-compounds (nitrates, oxides, and particulary sulfates) and sulfides are reduced violently or explosively (undergo a thermite reaction) on heating an intimate mixture with aluminum powder to a suitably high temperture to initiate the reaction.
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: Causes skin irritation. Eyes: Causes eye irritation with out any adverse effects. May cause conjunctivitis. Inhalation: Causes respiratory tract and mucous membrane irritation. Symptoms may include coughing, rhinitis, laryngitis, pharyngitis, reactions of tracheal and bronchial membranes, sneezing, pneumonia, impaired of sense of smell and taste, bleeding from the nose, and labored breathing after excessive inhalation. Ingestion: May cause digestive tract irritation. Because it hardens quickly after absorbing moisture, its ingestion may result in obstruction, particularly of the pylorus. The toxicological properties of this substance have not been fully investigated.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

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

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for Transport Not applicable.

DOT (Pictograms) 

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations Illinois toxic substances disclosure to employee act: Calcium sulfate, anhydrous
 Pennsylvania RTK: Calcium sulfate, anhydrous
 Minnesota: Calcium sulfate, anhydrous
 Massachusetts RTK: Calcium sulfate, anhydrous
 TSCA 8(b) inventory: Calcium sulfate, anhydrous

California Proposition 65 Warnings

Other Regulations EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.


Other Classifications
WHMIS (Canada) Not controlled under WHMIS (Canada).
DSCL (EEC) This product is not classified according to the EU regulations. Not applicable.


HMIS (U.S.A.)


Health Hazard	1
Flammability	0
Reactivity	0
Personal Protection	B


National Fire Protection Association (U.S.A.)

Health	0	Flammability
		Reactivity
		Specific hazard



WHMIS (Canada) (Pictograms) 

DSCL (Europe) (Pictograms) 

TDG (Canada) (Pictograms) 

ADR (Europe)
(Pictograms)



Protective Equipment



Gloves (impervious).



Lab coat.



Not applicable.

Safety glasses.

Section 16. Other Information

References Not available.

Other Special Considerations Not available.

PREPARATION DATE: NOV 2005

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, ProChem Chemicals Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.