Calcium Chloride, Anhydrous



Section 1

Section 2

Product Description

Product Name: Recommended Use: Synonyms: Distributor: Calcium Chloride, Anhydrous Science education applications Calcium Chloride, Granular, Pellets, Lumps Carolina Biological Supply Company 2700 York Road, Burlington, NC 27215 1-800-227-1150 800-227-1150 (8am-5pm (ET) M-F) 800-424-9300 (Transportation Spill Response 24 hours)

Chemical Information: Chemtrec:

Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

WARNING



Harmful if swallowed. Causes serious eye irritation.

GHS Classification:

Serious Eye Damage/Eye Irritation Category 2A, Acute Toxicity - Oral Category 4

Acute Toxicity Dermal Contains Acute Toxicity Inhalation Gas	100 % of the mixture consists of ingredient(s) of unknown toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity
Contains Acute Toxicity Inhalation Vapor Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity
Acute Toxicity Inhalation Dust/Mist Contains	100 % of the mixture consists of ingredient(s) of unknown toxicity

Section 3			
Sections			
			- 1

Composition / Information on Ingredients

Chemical Name	CAS #	%
Calcium Chloride, Anhydrous	10043-52-4	100

Section 4

First Aid Measures

Emergency and First Aid Procedures				
Inhalation:	In case of accident by inhalation: remove casualty to fresh air and keep at rest.			
Eyes:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy			
	to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.			
Skin Contact:	After contact with skin, wash immediately with plenty of water.			
Ingestion:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.			
-				

Section 5

Firefighting Procedures

Extinguishing Media:

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Fire Fighting Methods and Protection:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Fire and/or Explosion Hazards:

Released or Spilled:

Hazardous Combustion Products:

Fire or heat may produce products of Calcium Oxide and Hydrochloric Acid and/or Chlorine gas.

Hydrogen chloride, Calcium Oxides

Section 6	Spill or Leak Procedures
Steps to Take in Case Material Is	Exposure to the spilled material may be irritating or harmful. Follow personal protective

equipment recommendations found in Section 8 of this SDS. Additional protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Ventilate the contaminated area. Avoid the generation of dusts during clean-up. Prevent the spread of any spill to minimize harm to human health and the environment if safe

to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Contain the discharged material. Do not allow the spilled product to enter public drainage system or open waterways.

No exposure limits exist for the constituents of this product. General room ventilation might be required to maintain operator comfort under normal conditions of use.

Wear chemical splash goggles when handling this product. Have an eye wash station

Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving

No respiratory protection required under normal conditions of use.

Section 7

Handling and Storage

Handling:	Wash thoroughly after handling. Do no eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Leather clothing and shoes will be damaged. Keep away from oxidizing materials and strong acids. Moisture; Product is hygroscopic. Avoid contact with skin and eyes. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Storage:	Keep container tightly closed in a cool, well-ventilated place.
Storage Code:	Green - general chemical storage

Section 8

Protection Information

	ACO	<u>SIH</u>	OSHA PEL		
<u>Chemical Name</u>	(TWA)	(STEL)	(TWA)	<u>(STEL)</u>	
No data available	N/A	N/A	N/A	N/A	

Lab coat, apron, eye wash, safety shower.

Control Parameters Engineering Measures:

Personal Protective Equipment (PPE): Respiratory Protection: Eye Protection:

Skin Protection:

Gloves:

Section 9

work. Nitrile

available.

Physical Data

Formula: CaCl2 Molecular Weight: 110.99 Appearance: Colorless to pale yellow Solid Odor: None Odor Threshold: No data available pH: 8.0 - 9.0, conc: 35 % (solution) Melting Point: Not established 772 C Boiling Point: 815 C Flash Point: No data available Flammable Limits in Air: N/A

Vapor Pressure: <0.005 Evaporation Rate (BuAc=1): N/A Vapor Density (Air=1): N/A Specific Gravity: 2.2 Solubility in Water: Soluble Log Pow (calculated): No data available Autoignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available Percent Volatile by Volume: Negligible

Section 10

Reactivity Data

Reactivity:
Chemical Stability:
Conditions to Avoid:
Incompatible Materials:
Hazardous Decomposition Products:
Hazardous Polymerization:

No data available Stable under normal conditions. Exposure to air. Keep lid tightly closed when not in use. Bromine Trifluoride, Methyl Vinyl Ether, Strong acids, Zinc Calcium Oxides, Hydrogen chloride Will not occur

Section 11

Toxicity Data

Routes of Entry Symptoms (Acute): Delayed Effects:	Inhalation, ingestion, eye or skin contact. Respiratory disorders No data available					
Acute Toxicity: Chemical Name Calcium Chloride, Anhy	ydrous	CAS Number 10043-52-4	Oral LD50 Oral LD50 Rabbit 1384 mg/kg	Dermal LD50 Not determined	Inhalation LC50 Not determined	
Carcinogenicity: Chemical Name No data available		CAS Number 10043-52-4	IARC Not listed	NTP Not listed	OSHA Not listed	
Chronic Effects: Mutagenicity: Teratogenicity: Sensitization: Reproductive: Target Organ Effects: Acute: Chronic:	No evidence of a ten No evidence of a se No evidence of nega See Section 2	of a mutagenic effect. of a teratogenic effect (birth defect). of a sensitization effect. of negative reproductive effects. n 2 c data cited., Not listed as a carcinogen by IARC, NTP or OSHA.				
Section 12		E	cological Data			
Overview: Mobility: Persistence: Bioaccumulation: Degradability: Other Adverse Effects	wildlife. No data No data No data No data	No data No data No data No data				
Chemical Name Calcium Chloride, Anhy	<i>y</i> drous	CAS NumberEco Toxicity10043-52-496 HR LC50 LEPOMIS MACROCHIRUS 10650 MG/L [STATIC]48 HR LC50 DAPHNIA MAGNA 2400 MG/L				
Section 13	Disposal Information					
Disposal Methods: Waste Disposal Code	cont	Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. Not Determined				
Section 14	Section 14 Transport Information					
	round - DOT Proper Shipping Name:Air - IATA Proper Shipping Name:ot a DOT controlled materialNot regulated for air transport by IATA.					

Section 15

TSCA Status:

All components in this product are on the TSCA Inventory.

Regulatory Information

Chemical Name	CAS Number	§ 313 Name	§ 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data available	10043-52-4	No	No	No	No	No

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Additional Information

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The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

Glossary

ACGIH	American Conference of Governmental	NTP	National Toxicology Program
	Industrial Hygienists	OSHA	Occupational Safety and Health Administration
CAS	Chemical Abstract Service Number	PEL	Permissible Exposure Limit
CERCLA	Comprehensive Environmental Response,	ppm	Parts per million
	Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
		IDLH	Immediately dangerous to life and health