# Safety Data Sheet

# Calcium Chloride, 50 mM

# www.carolina.co

#### **Section 1**

#### **Product Description**

**Product Name: Recommended Use:** Synonyms: Distributor:

Calcium Chloride, 50 mM Science education applications N/A 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;

**GHS Classification:** 

Section 2

# **Composition / Information on Ingredients**

Chemical Name Water Calcium Chloride, Anhydrous

CAS # 7732-18-5 10043-52-4

% 99.95 0.05

show this container or label.

# Section 4

Section 3

## Emergency and First Aid Procedures

Emergency and First A	
Inhalation:	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eyes:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion:	If swallowed, do not induce vomiting: seek medical advice immediately and show this containe

# Section 5

# **Firefighting Procedures**

First Aid Measures

Extinguishing Media:	Use media suitable to extinguish surrounding fire.
Fire Fighting Methods and Protection:	Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Fire and/or Explosion Hazards:	Fire or excessive heat may produce hazardous decomposition products.
Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide

# Section 6

# Spill or Leak Procedures

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.

#### Section 7

# Handling and Storage

Handling:	Do not ingest or take internally.
Storage:	Keep container tightly closed in a cool, well-ventilated place.
Storage Code:	Suitable for any general chemical storage. Green - general chemical storage

#### **Section 8**

#### Protection Information

# Safety Data Sheet

	ACGIH		OSHA PEL			
Chemical Name	<u>(TWA)</u>	(STEL)	(TWA)	(STEL)		
No data available	N/A	N/A	N/A	N/A		
Control Parameters						
Engineering Measures:	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.					
Personal Protective Equipment (PPE):	Lab coat, apron, eye wash, safety shower.					
Respiratory Protection:	No respiratory protection required under normal conditions of use.					
Eye Protection:	Wear chemical splash goggles when handling this product. Have an eye wash station available.					
Skin Protection:	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 work.					
Gloves:	No information available					
Section 9	Physica	al Data				
Formula: CaCl2 in H2O		Vapor Pressure: N/A				
Molecular Weight: 110.99 (Calcium Chlor						
Appearance:	Vapor Density (Air=1): N/A					
Odor: No data available		Specific Gravity: approx. 1				
Odor Threshold: No data available		Solubility in Water: Soluble				
pH: No data available	Log Pow (calculated): No data available					
Melting Point: No data available	Autoignition Temperature: No data available					

Boiling Point: 100 C Flash Point: No data available Flammable Limits in Air: N/A N/A

# Section 10

Decomposition Temperature: No data available Viscosity: 10 Percent Volatile by Volume: N/A

#### **Reactivity Data**

Reactivity: **Chemical Stability:** Conditions to Avoid: **Incompatible Materials:** Hazardous Polymerization: No data available Stable under normal conditions. None known. Water-reactive materials Will not occur

## Section 11

#### Toxicity Data

**Routes of Entry** Symptoms (Acute): N/A **Delayed Effects:** 

Ingestion, skin and eye contact. No data available

Acute Toxicity: **Chemical Name** Water

**CAS Number** 7732-18-5

Calcium Chloride, Anhydrous

**CAS Number** 

Oral LD50 Oral LD50 Rat 90000 mg/kg Oral LD50 Rabbit Dermal LD50

Inhalation LC50

10043-52-4

1384 mg/kg

IARC

Not listed

NTP

Not listed

**OSHA** Not listed

**Chronic Effects:** Mutagenicity: Teratogenicity: Sensitization:

Carcinogenicity:

**Chemical Name** 

No data available

No evidence of a mutagenic effect. No evidence of a teratogenic effect (birth defect). No evidence of a sensitization effect.

# **Safety Data Sheet**

Reproductive: Target Organ Effects: Acute: Chronic: No evidence of negative reproductive effects.

See Section 2 Not listed as a carcinogen by IARC, NTP or OSHA.

## Section 12

#### **Ecological Data**

Overview: Mobility: Persistence: Bioaccumula Degradabilit Other Adver	ation: y:	This material is not expected to be harmful to the ecology. No data No data No data No data No data No data					
<b>Chemical Na</b> Water Calcium Chlo	i <b>me</b> iride, Anhydrous	77	<b>AS Number</b> 732-18-5 1043-52-4		9 POMIS MACROCH PHNIA MAGNA 24		G/L [STATIC]
Section 7	13		Dis	oosal Infori	mation		
Disposal Me Waste Dispo		Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance. Not Determined					
Section <sup>2</sup>	14		Tran	sport Infor	mation		
Ground - DOT Proper Shipping Name: Air - IATA Proper Shipping Name:   Not Regulated for Transport Not regulated for air transport by IATA.							
Section 2	15		Regu	latory Info	rmation		
TSCA Status	:	All com	ponents in this	product are on the	TSCA Inventory.		
Chemical Na	ime	CAS Number	§ 313 Nam	ie § 304 RQ	CERCLA RQ	§ 302 TPQ	CAA 112(2) TQ
No data avail	able		No	No	No	No	No
Section <sup>2</sup>	16		Addi	tional Infor	mation		
Revised: 09	/04/2014	Repla	ices: 08/26/201	4	Printed: 09	9-11-2014	
available to us	n provided in this ( . Carolina Biologica he substance cove	al Supply makes n	o representatio	n or guarantee as			
Glossary ACGIH CAS CERCLA	Industrial Hygie Chemical Abstra Comprehensive Compensation,	rence of Governm hists act Service Numbe Environmental Re and Liability Act t of Transportation	er esponse,	NTP OSHA PEL ppm RCRA SABA	National Toxicolo Occupational Sa Permissible Expo Parts per million Resource Conse Superfund Amer	fety and Health / osure Limit ervation and Rec	overy Act

SARA

TSCA

IDLH

TLV

Not Available

U.S. Department of Transportation

International Agency for Research on Cancer

DOT

IARC

N/A

Superfund Amendments and Reauthorization Act

Immediately dangerous to life and health

**Threshold Limit Value** 

**Toxic Substances Control Act**