



MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Product Name Calcium Chloride
Product ID 2163, 2164, 2196

08/01/12

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Calcium Chloride
SYNONYMS: n/a
PRODUCT CODES: 2163, 2164, 2196
MANUFACTURER: SR Aquaristik
ADDRESS: 902 S. Randall Rd. Suite C #308, St. Charles, IL 60174
EMERGENCY PHONE: 630-524-4612
EMAIL CONTACT: info@sraquaristik.com
CHEMICAL FORMULA: CaCl₂

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS None known.
COMPONENTS All ingredients not precisely identified are proprietary.

OTHER INGREDIENTS:	Calcium Chloride
CAS NO.	10043-52-4
% WT	@
OVER 3%	yes

OSHA PEL: 5mg/m³
ACGIH TLV: 5mg/m³
SARA 313 REPORTABLE no

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance: White granule
Odor: none

POTENTIAL HEALTH EFFECTS

EYES: Irritant; direct contact may burn eyes with possible permanent injury with prolonged or repeated exposure
SKIN: acute-prolonged contact may irritate skin
INGESTION: Excessive ingestion may cause nausea or gastrointestinal discomfort

	INHALATION:	may irritate mucous
	ACUTE AND CHRONIC HEALTH HAZARDS:	None known.
	MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	Respiratory Disease, Skin condition
CARCINOGENICITY	OSHA:	n/a
	IARC:	n/a
	ACGIH:	n/a
	OTHER:	n/a
	NTP:	n/a

SECTION 4 FIRST AID MEASURES

EYES:	Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open. Consult physician if redness or irritation persists.
SKIN:	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. 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. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
INHALATION:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	any
EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS	none
SPECIAL EXPOSURE HAZARDS IN A FIRE	none
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS	none
OTHER INFORMATION	none

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Follow protective measures provided in sections 5 and 8
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**ENVIRONMENTAL PRECAUTIONS
METHODS FOR CLEAN UP**

Keep away materials and products which are incompatible with product specified in section 10
Rinse spilled product to dilute areas of direct contact.
Wear suitable clothing and protective equipment
Recover or mop up excess material and reuse wherever possible.
Absorb unusable product with suitable material and dispose of in accordance with Section 13.

SECTION 7

HANDLING AND STORAGE

HANDLING Maintain good housekeeping practices
Wash hands after use
Avoid contact with potable water or food

STORAGE Keep in a dry place
Keep away from direct sunlight
Keep away from heat
Keep away from incompatible products specified in section 10
Keep only in the original container at temperature not exceeding 40C (104F)

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: n/a

VENTILATION: Local exhaust, mechanical exhaust recommended

RESPIRATORY PROTECTION: Dust filter mask recommended

EYE PROTECTION: ANSI approved safety glasses with side protection or goggles.

SKIN PROTECTION: Wear suitable protective clothing

HYGIENIC PRACTICES: Handle in accordance with good hygiene and safety practice.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

APPEARANCE: White granules

ODOR: none

IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION

pH: 9

BOILING POINT 1670C

FLASH POINT n/a

MELTING POINT 772C

FLAMMABILITY (SOLID, GAS) non flammable

EXPLOSIVE PROPERTIES non-explosive

VAPOR PRESSURE: n/a

VAPOR DENSITY: n/a

BULK DENSITY n/a

EVAPORATION RATE: n/a

SOLUBILITY IN WATER: Easy soluble

DECOMPOSITION n/a
TEMPERATURE
VISCOSITY: n/a
SPECIFIC GRAVITY 2.15

SECTION 10

STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: none

INCOMPATIBILITY (MATERIAL TO AVOID): Acid, phosphorus oxide

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: none known

HAZARDOUS POLYMERIZATION: n/a

CONDITIONS TO AVOID: n/a

SECTION 11

TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA:

ACUTE ORAL TOXICITY 1000mg/kg (rat)

ACUTE INHALATION TOXICITY causes severe irritation of the respiratory tract

ACUTE DERMAL IRRITATION/ CORROSION none known

SKIN IRRITATION causes slight irritation

EYE IRRITATION causes severe irritation of the eyes

SENSITIZATION none

CHRONIC TOXICITY n/a

CHRONIC TOXICITY/ CARCINOGENIC DESIGNATION: Prolonged or repeated skin contact may produce severe irritation or dermatitis

SECTION 12

ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS:

ACUTE TOXICITY: none known

MOBILITY: not applicable

PERSISTENCE AND DEGRADABILITY: none known

BIOACCUMULATIVE POTENTIAL: is not known to accumulate

SECTION 13

DISPOSAL CONSIDERATIONS

WASTE TREATMENT: Dispose of within current local and state regulations. No special method required.

PACKAGING TREATMENT: Consult federal, state, and local regulations regarding the proper disposal of emptied containers.

RCRA HAZARD CLASS: n/a

SECTION 14**TRANSPORT INFORMATION****U.S. DEPARTMENT OF TRANSPORTATION**

PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI) Not Hazardous
HAZARD CLASS: Not Regulated
ID NUMBER: n/a
LABEL: none
STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI) Not Hazardous
HAZARD CLASS: Not Regulated
ID NUMBER: n/a
LABEL: none
STATEMENT:

AIR TRANSPORTATION

PROPER SHIPPING NAME: Chemicals Not Otherwise Indexed (NOI) Not Hazardous
HAZARD CLASS: Not Regulated
ID NUMBER: n/a
LABEL: none
STATEMENT:

SECTION 15**REGULATORY INFORMATION**

Preparation does not contain ingredients listed as a dangerous substance in Annex 1 of the EEC directive 67/548.

SECTION 16**OTHER INFORMATION****KEEP OUT OF REACH OF CHILDREN**

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, SR Aquaristik makes no representation as to the completeness or accuracy of such information and recommendations. SR Aquaristik shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations. You are encouraged to advise anyone working with or exposed to such products of the information contained herein.

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