



PRODUCT DATA SHEET (MSDS/SDS)

CALCIUM INCORPORATED

MATERIAL IDENTIFICATION AND GENERAL INFORMATION

Product Name: Calcium Chloride Solution

Other Identifiers: Inhibited Well Grade Brine, W1.32 Inhibited, Salt Brine Solution

Product Use: Dust suppression, general industrial and multiple other uses

DETAILS OF SUPPLIER OF SDS

Lyman Dust Control Services of Montana, LLC

704C East 13th ST #351

Whitefish, MT 59937

Phone: 1-800-671-9481

www.lymandustcontrolmt.com

HAZARDOUS IDENTIFICATION

CLASSIFICATION: Moderate to Severe Eye Irritant with corneal injury

SIGNAL WORD/HAZARD STATEMENTS: Causes serious eye irritation.

APPEARANCE: Amber to straw colored

PHYSICAL STATE: Liquid

ODOR: Odorless

PRECAUTIONARY STATEMENTS

PREVENTION	Wash face, hands and any exposed skin thoroughly after handling. Wear eye/face protection, rubber gloves.
RESPONSE	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.
STORAGE	None
DISPOSAL	None
HAZARD NOT OTHERWISE CLASSIFIED	Not applicable.

PHYSICAL DATA/INFORMATION ON INGREDIENTS

NAME	CAS NUMBER	CONCENTRATION %
CALCIUM CHLORIDE	10043-52-4	26-28%
MAGNESIUM CHLORIDE	7786-30-3	3.5-4.5%
SODIUM CHLORIDE	7647-14-5	2-3%
POTASSIUM CHLORIDE	7447-40-7	0.8%-1.3%

FIRST-AID MEASURES

EYE CONTACT	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms/irritation persists, consult a physician.
SKIN CONTACT	Wash affected areas with soap and water. If symptoms/irritation persists, consult a physician.
INHALATION	In case of accidental inhalation of vapours, move to fresh air and away from source of exposure. If symptoms/irritation persists, consult a physician.
INGESTION	Rinse mouth. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water and consult a physician.
MOST IMPORTANT SYMPTOMS	Irritation
NOTES TO PHYSICIAN	Treat symptomatically

FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No information available

Specific Hazards Arising from the Chemical: No information available.

Protective Equipment and Precautions for Firefighters: No additional requirements needed beyond standard protection required for any fire.

Unusual Fire and Explosion Hazards: None

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid contact with the skin and the eyes. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. Wear personal protective equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent product from entering drains. See Section for additional Ecological Information.

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so. Dike far ahead of spill; use dry sand to contain the flow of material.

METHODS FOR CLEAN UP: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eye and clothing. Do not breathe vapors or spray mist.

CONDITIONS FOR SAFE STORAGE: Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled container.

INCOMPATIBLE PRODUCTS: None known based on information supplied.

EXPOSURE CONTROL/ PERSONAL PROTECTION

Control Parameters: LD50-LC50 Mixture: Oral (Rat) 900-2100mg/kg 100% CaCl₂

APPROPRIATE ENGINEERING CONTROLS

ENGINEERING MEASURES When there is a potential for exposure, an emergency eyewash and safety shower should be provided within the immediate work area.

EYE AND FACE PROTECTION: Safety goggles or glasses with non-flexible side shields. A face shield should be worn if a potential for splashing or spraying exists.

SKIN AND BODY PROTECTION: Wear appropriate protective non-leather protective gloves and boots. Wear appropriate protective, impervious clothing. Chemical protective gloves and boots such as PVC, Neoprene, or Heavy Nitrile are recommended. Leather products do not offer adequate protection and will dehydrate with resultant shrinkage and possible destruction.

RESPIRATORY PROTECTION: A respirator is not indicated under normal operating conditions. Use of a NIOSH-approved respirator (N95 or greater) should be based on the presence of nuisance dusts.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practice.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & COLOR	AMBER TO STRAW COLORED LIQUID
ODOR	NONE
ODOR THRESHOLD	NO DATA AVAILABLE
PH-VALUE	4.8
MELTING/FREEZING POINT	<-40C
BOILING POINT/RANGE	230F (160C)
FLASH POINT	N/A
EVAPORATION RATE	NOT DETERMIEND OR AVAILABLE
FLAMMABILITY (SOLID, GASEOUS)	NOT DETERMIEND OR AVAILABLE, NO LIMITS DATA AVAILABLE
VAPOR DENSITY	(AIR=1) 7-15 @ 25C
SPECIFIC GRAVITY	1.32 KG/L @ 25C
WATER SOLUBILITY	COMPLETELY SOLUBLE (NO DATA AVAILALBLE FOR SOLUBILITY IN OTHER SOLVENTS)
PARTITION COEFFCIENT: N OCTANOL/WATER	NOT DETERMINED
AUTOIGNITION TEMPERATURE, VISCOSITY, FLAMMABLE/EXPLOSIVE PROPERTIES, OXIDIZING PROPERTIES	NO DATA AVAILABLE/NOT FLAMMABLE

STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: None under normal processing.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: None based on information supplied.
Incompatible Materials: None based on information supplied.
Hazardous Decomposition Products: None based on information supplied.

TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

PRODUCT INFORMATION

Inhalation: May Cause irritation.
Eye Contact: Irritating to the eyes.
Skin Contact: Slightly toxic by dermal absorption.
Ingestion: May Cause irritation.
LD50-LC50 Mixtures: Oral (Rat) 900-2100 mg/kg 100% CaCl₂ Dermal (Rat) 2630 mg/kg

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Symptoms: No information available.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE

Sensitization: No information available
Mutagenic Effects: No information available
Carcinogenicity: Contains no ingredients above reportable quantities listed as a carcinogen.
Reproductive Toxicity: No information available.
STOT-Single/Repeated Exposure: No information available
Aspiration Hazard: No information available
Numerical measures of toxicity-Product: No information available.

ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.
Persistence and degradability: No Data Available
Bioaccumulation: No Data Available
Other adverse effects: No Data Available

DISPOSAL CONSIDERATIONS

Waste treatment methods: It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

TRANSPORTATION INFORMATION

Not Regulated / None

REGULATORY INFORMATION

Storage and use must comply and with local Safety, Health and Environmental Regulations

OTHER INFORMATION

Date of Latest Review: January 6, 2025

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specifications. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified, in the text.