

Safety Data Sheet

U.S. Department of Labor

Clarkson Laboratory and Supply, Inc
350 Trousdale Drive Chula Vista, Ca 91910
Phone: 619-425-1932 E-mail: sales@clarksonlab.com
www.clarksonlab.com

Occupational Safety and Health
Administration
Form Approved Appendix D
of 1910.1200

Section 1. Chemical Product and Company Identification

Common Name: Calcium Chloride SE Solution
Manufacturer: Clarkson Laboratory and Supply
350 Trousdale Drive
Chula Vista, Ca 91910
Commercial Name: Sand Equivalent Solution
Synonym: Not Available
Catalog Number: CS0210- series

IN CASE OF EMERGENCY
Call (619) 425-1933

Section 2. Hazardous Identification

Emergency Overview

CAUTION!

IRRITANT. MAY BE HARMFUL. IF SWALLOWED.

Avoid contact with skin, eyes and clothing. Use with adequate ventilation.
Store in cool place. Wash thoroughly after handling. Target organs:
Eyes, skin and gastrointestinal tract.

0 = Minimal

1 = Slight

2 = Moderate

3 = Serious
4 = Severe

HEALTH	2
FIRE	0
REACTIVITY	0
CONTACT HMIS*	1

Section 3. Composition/ Information on Ingredients

Chemical Name	Cas#	%	TLV units (ACGIH 2001)
Calcium Chloride	10043-52-4	12.58%	None established
Formaldehyde	50-00-0	1.42%	Stel: C 0.3ppm
Glycerin	56-81-5	43.00%	TWA: 10 mg/m ³
Water	7732-18-5	43.00%	None established

Section 4. First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Flush thoroughly with mild soap and water.

Section 5. Fire Fighting Measures

GENERAL INFORMATION: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume. Use water spray to keep fire-exposed containers cool.



Extinguishing Media: Use any media suitable for extinguishing supporting fire.

Flash Point: Not flammable.

Autoignition Temperature: N/A

Explosion Limits: Lower : N/A Upper: N/A

0= Minimal

1 = Slight

2 = Moderate

3 = Serious

4 = Severe

None Listed

Section 6. Accidental Release Measures

Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water. Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7. Handling & Storage

General Storage CODE GREEN

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food, or household use. Keep out of reach of children. **HANDLING:** Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale vapors, spray or mist. Wash thoroughly after handling. Remove and wash clothing before reuse. **STORAGE:** Store in a cool, well-ventilated area away from incompatible substances.

Section 8. Exposure Controls/ Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory Protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9. Physical & Chemical Properties

Physical state:	Liquid	Boiling point:	101.7°C (214°F)
Appearance:	Clear, colorless	Freezing/Melting point:	N/A
Odor:	No odor	Decomposition temperature:	N/A
pH:	N/A	Solubility in water:	Complete
Vapor Pressure (Hg mm):	14 (water)	Specific gravity (H₂O= 1):	1.2
Vapor Density (Air= 1):	0.7 (water)	Percent volatile (%):	33.58%
Evaporation rate (Water= 1):	>1	Molecular formula:	Mixture
Viscosity:	N/A	Molecular weight:	Mixture

Section 10. Stability & Reactivity

Chemical stability: Stable

Conditions to avoid: Excessive temperatures which cause evaporation

Incompatibilities with other materials: N/A

Hazardous polymerization: Will not occur

Hazardous decomposition products: Chlorine, Formaldehyde

Section 11. Toxicological Information

Effects of overexposure: May irritate the eyes, skin, nose, gastrointestinal and respiratory tracts or cause general allergic reactions. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

Section 12. Ecological information

Aquatic toxicity: Data not yet available

Section 13. Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14. Transport Information

UN/NA number:	N/A
Shipping name:	Not Regulated
Hazard Class:	N/A
Packing group:	N/A
Exceptions:	N/A

Section 15. Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the inventory list.
Data not yet available.

Section 16. Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

*Hazardous Materials industrial Standards.

*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 – 15 (29 CFR 1910.1200(g)(2)).

Revision Date: September 11, 2015

Approved by: Roxana Castro