CALCIUM CHLORIDE, GRANULAR CAROLINA BIOLOGICAL SUPPLY COMPANY

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 Revised
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1. PRODUCT DESCRIPTION

Product Name:	Calcium Chloride Lab Grade
Product Code(s):	85-1800, 20-7920, 20-7922, 82-1050, 84-0900
Size:	500 g
Chemical Name:	Calcium Chloride, Anhydrous
CAS Number:	10043-52-4
Formula:	CaCl2
Synonyms:	Dowflake; Snomelt; Superflake; Calpus; Caltac
Distributor:	Carolina Biological Supply Company
	2700 York Road
	Burlington, NC 27215
Chemical Informati	on: 800-227-1150 (8am-5pm (ET) M-F)
	tation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Calcium Chloride (CAS# 10043-52-4) 90-97% TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview:

Potential Health Effects:

tin: May cause irritation.

Ingestion: May cause gastrointestinal discomfort.

Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.

Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.

Ingestion - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point (Method Used): Non-combustible NFPA Rating: Health: 1 Fire: 0 Reactivity: 0

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5. FIREFIGHTING PROCEDURES (Cont.)

Use media suitable to extinguish surrounding fire. Flammable Limits in Air % by Volume: No data available. Autoignition Temperature: No data available. Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products of Calcium Oxide and Hydrochloric Acid and/or Chlorine gas.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Keep well closed. Store in a cool, dry area. Do not get in eyes. Avoid prolonged or repeated skin contact. Do not breathe dust. Wash thoroughly after handling. Do not take internally.

Other Precautions: This material is very hygroscopic. Always use cool wate (temperature less than 80F (27C) when dissolving Calcium Chloride. Leather clothing and shoes will be damaged by calcium chloride.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type): None needed under normal conditions of use with adequate ventilation. NIOSH approved equipment should be worn if PELs are exceeded. Ventilation: Local Exhaust: Preferred Mechanical(General): Acceptable Special: No Other: No Protective Gloves: Rubber, neoprene, PVC, or equivalent. Eye Protection: Splash proof chemical safety goggles should be worn at all times. Other Protective Clothing or Equipment: Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: 110.99 Melting Point: 772C Boiling Point: Greater than 1600C Vapor Pressure: Negligible as solid

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9. PHYSICAL DATA (Cont.)

Vapor Density(Air=1): Not applicable Specific Gravity(H2O=1): 2.152 @ 15/4 Percent Volatile by Volume: Negligble as solid Evaporation Rate(H2O=1): Not applicable Solubility in Water: Freely soluble Appearance and Odor: White, odorless, granules.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Excessive temperature and heat. High humidity and water. Moisture (material is deliquescent).

Incompatibility (Materials to Avoid): Water, strong oxidizers, metals. Reacts violently with (B2O3+CaO), BrF3. Reaction with zinc releases explosive hydrogen gas. Exothermic reaction with water. Catalyzes exothermic polymerization of methyl vinyl ether.

Hazardous Decomposition Products: Chlorine compounds. Thermal decomposition or burning may produce Calcium Oxide and Hydrochloric Acid.

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: orl-mus LD50: 1940 mg/kg; ivn-mus LD50: 42 mg/kg.

fects of Overexposure: Acute: See section 3

Chronic: Mutation data cited. Tumorigenic data cited. Not listed as causing cancer by IARC, NTP, or OSHA. Conditions Aggravated by Overexposure: Preexisting conditions of the skin,

eyes, and upper respiratory tract.

Target Organs: No data available.

Primary Route(s) of Entry: No data available.

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

DOT Proper Shipping Name: Non-regulated material.

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15. REGULATORY INFORMATION									
	us: On TSCA In								
Hazard Catego	ry for SARA Sec	tion 311	/312 Reporting	g: Acute					
		SARA	Sec. 313						
	SARA EHS	Chemi		CERCLA	RCRA				
Product or	Sec. 302	Name	Chemical	Sec. 103	Sec.				
Components	TPQ	List	Category	RQ lbs.	261.33				
Calcium Chlor Granular	ide, No	No	No	No	No				

16. ADDITIONAL INFORMATION

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. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material. Glossary ACGIH.....American Conference of Governmental Industrial Hygienists CAS Number. Chemical Services Abstract Number CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act DOT.....U.S. Department of Transportation IARC.....International Agency of Research on Cancer N/A....Not Available NTP.....National Toxicology Program OSHA.....Occupational Safety and Health Administration PEL..... Permissible Exposure Limit ppm.....parts per million RCRA.....Resource Conservation and Recovery Act SARA.....Superfund Amendments and Reauthorization Act TLV......Threshold Limit Value