



GARDENA, CA
NEW BRUNSWICK, NJ

Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment						
	<table border="1"><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>1</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health Hazard	1	Fire Hazard	1	Reactivity	0	
Health Hazard	1							
Fire Hazard	1							
Reactivity	0							

See Section 15.

Section 1. Chemical Product and Company Identification

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Common Name/ Trade Name	Calcium lactate, monohydrate	Catalog Number(s)	CA153
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	CAS#	41372-22-9
		RTECS	OD4150000
		TSCA	TSCA 8(b) inventory: No products were found. It is exempt from TSCA 8(b) Inventory listing since it is a hydrate. However, the anhydrous form (CAS no. 814-80-2) is listed on the TSCA 8(b) Inventory.
Commercial Name(s)	Not available.	CI#	Not available.
Synonym	Lactic acid, calcium salt (2:1), monohydrate; Calcium Lactate, monhydrate	IN CASE OF EMERGENCY CHEMTRAC (24hr) 800-424-9300	
Chemical Name	Propanoic acid, 2-hydroxy-, calcium salt (2:1), hydrate	CALL (310) 516-8000	
Chemical Family	Not available.		
Chemical Formula	C6H10CaO6.xH2O (C6H10CaO6.H2O or C6H10CaO6.3H2O)		
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248		

Section 2. Composition and Information on Ingredients

		Exposure Limits			
Name	CAS #	TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	% by Weight
1) Calcium lactate, monohydrate	41372-22-9				100
Toxicological Data on Ingredients	Not applicable.				

Section 3. Hazards Identification

Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

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Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Serious Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation	Not available.
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.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Precautions	No specific safety phrase has been found applicable for this product.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid.	Odor	Not available.
Molecular Weight	218.22 g/mole +xH ₂ O (236.24 for Calcium Lactate monohydrate and 272.28 for Calcium Lactate trihydrate)	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Not available.
Boiling Point	Not available.		
Melting Point	Decomposition temperature: 120°C (248°F)		
Critical Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Not available.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Not available.
Corrosivity	Non-corrosive in presence of glass.
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: No adverse effects. May cause mild skin irritation. Eyes: No adverse effects expected, but dust may cause irritation by mechanical action. Inhalation: Not expected to be a health hazard. May cause breathing difficulty of inhaled in large amounts. Ingestion: Not expected to have any significant or adverse health hazards. Ingestion of large amounts may cause mild gastric upset.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available.

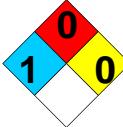
Section 13. Disposal Considerations

Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
Identification	Not applicable.
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations	No products were found.										
California Proposition 65 Warnings	<p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.</p>										
Other Regulations	<p>EINECS: This product is not on the European Inventory of Existing Commercial Chemical Substances.</p> <p>Canada: Not listed on Canadian Domestic Substance List (DSL) or Canadian Non- Domestic Substance List (NDSL).</p> <p>China: Not listed on National Inventory.</p> <p>Japan: Listed on National Inventory (ENCS).</p> <p>Korea: Not listed on National Inventory (KECI).</p> <p>Philippines: Not listed on National Inventory (PICCS).</p> <p>Australia: Not listed on AICS.</p>										
Other Classifications	<p>WHMIS (Canada) Not controlled under WHMIS (Canada).</p> <p>DSCL (EEC) This product is not classified according to the EU regulations. Not applicable.</p>										
HMIS (U.S.A.)	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr><td>Health Hazard</td><td>1</td></tr> <tr><td>Fire Hazard</td><td>1</td></tr> <tr><td>Reactivity</td><td>0</td></tr> <tr><td>Personal Protection</td><td>(E)</td></tr> </table> <div style="display: inline-table; vertical-align: middle;"> <p>National Fire Protection Association (U.S.A.)</p> <p>Health</p> </div>	Health Hazard	1	Fire Hazard	1	Reactivity	0	Personal Protection	(E)	 <div style="display: flex; justify-content: space-around; align-items: center;"> Flammability 1 0 </div> <div style="display: flex; justify-content: space-around; align-items: center;"> Reactivity 1 0 </div> <div style="display: flex; justify-content: space-around; align-items: center;"> Specific hazard </div>	
Health Hazard	1										
Fire Hazard	1										
Reactivity	0										
Personal Protection	(E)										
WHMIS (Canada) (Pictograms)											
DSCL (Europe) (Pictograms)											
TDG (Canada) (Pictograms)											
ADR (Europe) (Pictograms)											
Protective Equipment	<p>Gloves.</p>  <p>Lab coat.</p>  <p>Dust respirator. Be sure to use an approved/certified respirator or equivalent.</p> 										

Safety glasses.

**Section 16. Other Information****MSDS Code** C3360**References** Not available.**Other Special Considerations** Not available.

Validated by Sonia Owen on 9/23/2011.

Verified by Sonia Owen.

Printed 9/23/2011.

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.