

California Organic Fertilizers, Inc.™

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MATERIAL SAFETY DATA SHEET

Phyta-Cal QC™

SECTION I. IDENTIFICATION

Chemical Family: Organic salt mixture

Chemical Name and Synonyms: Calcium salt mixture

Formula: Proprietary

Trade Name and Synonyms:

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

A.	Components:	CAS. Reg. No:	TLV:
	Calcium Chloride	10043-52-4	
	Molasses	68476-78-8	

SECTION III. PHYSICAL DATA

- Appearance and Odor: Nearly colorless and odorless liquid
- Specific Gravity: 1.38
- Percent Volatile by Volume: Proprietary
- Evaporation Rate (Ethyl Ether = 1): 0.1
- Boiling Point: over 280 ° F.
- Vapor Pressure: Negligible
- Vapor Density (Air = 1): N/A
- Solubility in Water: Complete

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- Flash Point: None
- Special Fire-Fighting Procedures: None required
- Unusual Fire and Explosion Hazards: None
- Flammable Limits: N/A
- Extinguishing Agent: N/A

SECTION V. REACTIVITY DATA

- Stability: Very stable
- Hazardous Decomposition Products: None
- Incompatibility: Mildly corrosive to steel
- Hazardous Polymerization: Will not occur

SECTION VI. TOXICITY AND HEALTH

A. EXPOSURE LIMITS

- OSHA Permissible Exposure Limit (PEL): Not determined
- Threshold Limit Value (TLV): Not determined

B. EFFECTS OF OVEREXPOSURE

1. ACUTE

- Inhalation: No
- Eyes: May cause eye irritation
- Ingestion: May cause irritation
- Skin: May cause skin irritation

2. CHRONIC None known

C. EMERGENCY FIRST AID PROCEDURES

- Inhalation:
- Eyes: Wash with copious amounts of water
- Ingestion: If ingested drink water
- Skin: Wash with copious amounts of water

D. ANIMAL TOXICITY DATA

Not determined

SECTION VII. PERSONAL PROTECTION AND CONTROLS

A. RESPIRATORY PROTECTION

- As required by conditions. Use an OSHA or NIOSH approved respirator if required.

B. VENTILATION

- General: None
- Local Exhaust: None

SECTION VII. PERSONAL PROTECTION AND CONTROLS (continued)**C. SKIN AND EYE PROTECTION**

- Safety glasses should be worn in any type of industrial operation. Protective gloves should be worn as good hygiene dictates.

D. OTHER CONTROL MEASURES

- An eye bath and washing facilities should be available. Wash thoroughly after handling. Do not smoke when handling chemicals.

SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

None

SECTION IX. SPILL, LEAK, AND DISPOSAL PRACTICES

- Steps to be Taken in Case Material is Released or Spilled: Flush and dilute with water, preferably into soil and away from vegetation and water supply. If spilled on pavement or concrete, wash down with water to prevent slipping and loss of footing.

- Waste Disposal Method: Dilution

SECTION X. ENVIRONMENTAL EFFECTS DATA**SUMMARY****SECTION XI. TRANSPORTATION**

- DOT Hazard Classification: Non-Hazardous, Non-Regulated - Similar to table salt

SECTION XII. REFERENCES

1. The Merck Index: An Encyclopedia of Chemicals and Drugs, 1983 10th ed., Merck and Company, Rahway, N.J.
2. Dangerous Properties of Industrial Materials, 5th ed., 1979, Sax, N.I., Van Nostrand Reinhold & Co., N.Y., N.Y.
3. 29 C F R 1910 General Industry OSHA Safety and Health Standards., U.S. Department of Labor, Occupational Safety and Health Administration. Rev. 1983, 1985.
4. Threshold Limit Values for Chemical Substances and Physical Agents in the Workroom Environment with Intended Changes. American Conference of Governmental Industrial Hygienists, Cincinnati, OH. 1985.
5. Handbook of Chemistry and Physics, Chemical Rubber Co., Cleveland, OH.
6. Water Quality Criteria, J.E. McKee and H.W. Wolf, Editors., Pub. No. 3-A (Revised). State of California, 1963.
7. Registry of Toxic Effects of Chemical substances: 1983 Supplement to the 1981-1982 Edition. National Institute of Occupational Safety and Health, 1984.

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