

IDENTITY: Calcium Chloride

Section I – Manufacturer Information

Aqua Solutions, Inc.
6913 Highway 225
Deer Park, TX 77536

Telephone Number for Information:
(281) 479-2569
Date Prepared: July 14, 1999

EMERGENCY NUMBER: (800) 424-9300 (Chemtrec)

Section II – Hazard Ingredients/Identity Information

Formula - CaCl

Section III – Physical/Chemical Characteristics

Boiling Point: N/A	Specific Gravity: 2.150
Vapor Pressure: N/A	Melting Point: 732°C
Vapor Density: N/A	Evaporation Rate: N/A

Solubility in Water: Soluble
Appearance and Odor: White powder/odorless

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): N/A	Flammable Limits: Not applicable
LEL: Not applicable	UEL: Not applicable

Extinguishing Media: Any means suitable for extinguishing surrounding fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Unusual Fire and Explosion Hazards: Thermal decomposition produces highly toxic fumes.

Section V – Reactivity Data

Stable or Unstable? Stable
Conditions to Avoid: Contact with incompatible materials
Incompatibility (Materials to Avoid): Acidic conditions

Hazardous Decomposition or Byproducts: Hydrogen Chloride

Hazardous Polymerization May Occur or Will Not Occur? Will Not Occur
Conditions to Avoid: None known

Section VI – Health Hazard Data

Routes of Entry

Inhalation: Yes
Skin: Yes
Ingestion: Yes

Carcinogenicity

NTP:
IARC Monographs:
OSHA Regulated:

Health Hazards: Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin and clothes. Wash thoroughly after handling. Keep container closed. May be harmful by inhalation, ingestion or skin absorption. Causes eye and skin irritation.

Signs and Symptoms of Exposure:

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible.

Emergency and First Aid Procedure:

Skin – Remove contaminated clothing. Wash exposed area with soap and water. If irritation persists, seek medical attention.

Eyes – Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. **SEEK MEDICAL ATTENTION!**

Inhalation – Remove to fresh air. If not breathing, give artificial respiration.

Ingestion – If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Wear protective equipment. Sweep up, place in a bag and hold for waste disposal.

Waste Disposal Method: Dispose of by means as to comply with all local, state and federal regulations or contact an approved and licensed disposal agency.

Precautions to be Taken in Handling and Storing: Store in a cool dry place. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.

Other Precautions:

Section VIII – Control Measures

Respiratory Protection: Dust mask

Ventilation

Local Exhaust:

Mechanical: Acceptable

Special:

Other:

Protective Gloves: NIOSH approved gloves

Eye Protection: Safety glasses with side shields

Other Protective Clothing or Equipment: Wear appropriate clothing to prevent skin exposure.

Work/Hygienic Practices:

Section IX – Additional Information

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