

IDENTITY: Calcium Hydroxide

Section I – Manufacturer Information

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

Telephone Number for Information:
(281) 479-2569
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EMERGENCY NUMBER: (800) 424-9300 (Chemtrec)

Section II – Hazard Ingredients/Identity Information

Formula – Ca(OH)₂

Section III – Physical/Chemical Characteristics

Boiling Point: 2950°C
Vapor Pressure: Information not available
Vapor Density: Information not available

Specific Gravity: 2.2-2.5
Melting Point: Information not available
Evaporation Rate: Not applicable

Solubility in Water: 0.1 g/100 g
Appearance and Odor: White powder, low odor

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): Not flammable
LEL:

Flammable Limits: Not applicable
UEL:

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: None known

Section V – Reactivity Data

Stable or Unstable? Stable

Conditions to Avoid: Contact with incompatible materials

Incompatibility (Materials to Avoid): Boric oxide, acids, fluorine and many organic materials.

Hazardous Decomposition or Byproducts: None known to occur

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: Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin and clothes. Wash thoroughly after handling. Keep container closed.

Signs and Symptoms of Exposure:

Medical Conditions Generally Aggravated by Exposure:

Emergency and First Aid Procedure:

Skin – In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

Eyes – Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek medical aid.

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

Ingestion – Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! 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: Carefully pick up solid with minimum of dusting and collect in metal container with covers with disposal. The trace amount of residue can be flushed down drain.

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. Store away from acids.

Other Precautions:

Section VIII – Control Measures

Respiratory Protection: Dust mask recommended

Ventilation

Local Exhaust: Acceptable

Mechanical:

Special:

Other:

Protective Gloves: Wear appropriate gloves to prevent skin exposure.

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

The information provided in this Material Safety Data Sheet represents data from the manufacturer and/or vendor and is accurate to the best of our knowledge. By providing this information, Delta Education LLC makes no guarantee or warranty, expressed or implied, concerning the safe use, storage, handling, precautions, and/or disposal of the products covered or the accuracy of the information contained in this fact sheet. It is the responsibility of the user to comply with local, state, and federal laws and regulations concerning the safe use, storage, handling, precautions, and/or disposal of products covered in this fact sheet.