

Calcium Chloride Anhydrous

Material Safety Data Sheet

Product Information

Brand Name AquaLife Simple Science
Product Name Calcium Chloride Anhydrous
Chemical Family
Chemical Name Calcium Chloride Anhydrous
Molecular Formula CaCl_2
Molecular Weight 110.98g/mol

Material Uses: N/A

NFPA (704) Rating Health: 1 Flammability: 0
Reactivity: 3 Special: 0

Composition & Information on Ingredients

CAS Number 497-19-8

% by Weight 90

Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

First Aid Measures

Inhalation: fresh air.

Skin contact: After skin contact: wash off with plenty of water. Remove contaminated clothing.

Eye contact: After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist.

Ingestion: After swallowing: immediately drink water. Consult a physician. Never give anything by mouth to an unconscious person. Most important symptoms and effects, both acute and delayed irritant effects, Stomach/intestinal disorders

Indication of any immediate medical attention and special treatment needed. No information available.

Fire & Explosion Data

Product is a non-flammable solid. In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.

Accidental Release Measures

Leak/Spill Avoid accidents, clean up immediately. Slippery when spilled. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment. Wear full protective clothing.

Handling and Storage

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for damage or leaks.

Exposure Controls/Personal Protection

Engineering Controls Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protection Skin: Wear appropriate protective gloves and clothing to prevent skin exposure. Eye: Wear safety glasses and chemical safety goggles. Respiratory: Wear NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions. Clothing: Gloves, coveralls, apron, boots as necessary to prevent skin contact as needed.

Physical & Chemical Properties

Physical State & Appearance Solid white powder

No odor

91% solution in water

Boiling/Melting Point 1670°C

Flash Point 184°C

Stability & Reactivity Data

Stability Stable under normal temperatures and pressures. Hygroscopic.

Conditions to Avoid Incompatible materials, exposure to moist air or water.

Hazardous Decomposition Hygroscopic. Reacts violently (violent boiling) with water, generating heat.

Hazardous Polymerization Has not been reported.

Toxicological Information

The substance may be toxic to heart, cardiovascular system. Repeated or prolonged exposure to the substance can produce target organs damage. May cause severe irritation, possible transient corneal injury, and possible eye burns. Inhalation: May cause severe irritation of the upper respiratory tract with pain, inflammation and possible burns

Disposal Considerations

Disposal Dispose of in a manner consistent with federal, state and local regulations.

Transport Information

DOT This material is not regulated hazardous material.

Other Regulatory Information & Classifications

No data available.

Manufacturer/Importer/Supplier/Distributor Information

Company Name: Aquarium Life Support Systems
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