



SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: CALCIUM HARDNESS INCREASER
 Synonym(s): Calcium Hardness Increaser
 Recommended Uses: For Swimming Pools and Spas
 SDS Reference: 18

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC. Distributed By: WATER TECHNIQUES, INC
 6010 NW FIRST PLACE 14260 W. NEWBERRY RD #162
 GAINESVILLE, FL 32607 NEWBERRY FL 32669
 Tel: 352-378-9696
 24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION



Classification: HARMFUL IF SWALLOWED
 EYE IRRITANT
 SKIN IRRITANT

Signal Word: WARNING

Hazard Statements: HEALTH HAZARDS:
 Acute Toxicity - Oral - Harmful if swallowed - Category 4 - H302
 Hazard Eye - Causes eye irritation - Category 2A - H319
 Hazard Skin - Causes mild skin irritation - Category 3 - H316

PHYSICAL HAZARDS:
 None.

ENVIRONMENTAL HAZARDS:
 None.

Precautionary Statements: Wear eye and face protection and wash hands and clothing after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid breathing dust.

Eye Contact: Causes eye irritation. Wear eye and face protection. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Skin Contact: Causes skin irritation. Wear protective gloves. Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical attention.

Inhalation: Dust may cause irritation to upper respiratory tract (nose and throat).

Ingestion: Do not induce vomiting and call Poison Control Center immediately at 1-800-222-1222.

3. COMPOSITION

Chemical Name:	PERCENT %	CAS #
Calcium Chloride	94 - 100	10043-52-4

4. FIRST AID

If In Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If on Skin or Clothing: If on skin wash with plenty of water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse.

If Inhaled: If inhalation of dust occurs and adverse effects result, remove to uncontaminated area. Call a Poison Control Center or doctor if you feel unwell.

If Swallowed: If swallowed, do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsive person.

Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. There is a need for rapid medical treatment on any ingestion exposure.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable: Carbon dioxide, dry chemical powder or appropriate foam. Use water to keep non-leaking, fire-exposed containers cool.
 Extinguishing Media:



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Specific Hazards from Chemical: Hydrogen chloride gas, calcium oxide.
 During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Contact with metals may evolve flammable hydrogen gas.

Special Protective Equipment: Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Other Information: No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spilled material may cause a slipping hazard. Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. Do not touch damaged containers or spilled product unless wearing protective equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to Section 7, Handling, for additional precautionary measures.

Methods and Materials for cleanup: Contain the discharged material. If sweeping of a contaminated area is necessary use a dust suppressant agent.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Do not breath dust, minimize dust generation and accumulation. Do not get in eyes, on skin or on clothing.

Storage: Store in a cool, dry place in original container and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit: Calcium Chloride:
 OSHA: PEL: 5 mg/m3 TWA
 ACGIH: TLV: 5 mg/m3 TWA

Appropriate Engineering Controls: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred as it prevents contaminant dispersion into the work area by controlling it at its source.

Individual Protection Measures: Respiratory Protection: Use a type N100 as a backup to engineering controls.
 Hand Protection: Handle with gloves and dispose of contaminated gloves after use. Select gloves tested to the ANSI/ISEA 105-2011. Full and splash contact: Nitrile rubber.
 Eye Protection: Use Face shield and safety glasses, tested and approved under appropriate government standards.
 Skin Protection: Protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Granules	Flammability (solid/gas):	No data available
Odor:	Odorless	Upper/lower Flammability or Exposure limits:	No data available
Odor Threshold:	No Applicable	Vapor Pressure:	No data available
pH:	9	Vapor Density:	No data available
Melting Point/Freezing Point:	Not Applicable	Density:	1.3 (relative)
		Solubility(ies):	Soluble in water
Initial Boiling Point/Boiling Range:	3038° F (1670° C)	Partition Coefficient: n-octanol/water:	Not Applicable
		Auto-ignition Temperature:	Not Applicable.
Flash Point:	No data available	Decomposition Temperature:	No data available
Evaporation Rate:	No data available	Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity: This product is stable under normal conditions.

Possibilities of Hazardous Reactions: Violent polymerization occurs when mixed with Methyl Vinyl Ether.

Conditions to Avoid: Exposure to moisture may affect product quality.

Incompatible Materials: Strong acids, Borane/boron oxides, Zinc, Calcium oxide, Methyl vinyl ether, Calcium chloride is attacked by bromine trifluoride.



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Hazardous Decomposition Materials: When heated to decomposition, calcium chloride emits toxic fumes of hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Calcium Chloride:
Oral LD50 (Rat): 1000 mg/kg
Dermal LD50 (Rabbit): 2630 mg/kg

Chronic Toxicity: No data available.

Reproductive Toxicity: Not a reproductive hazard.

Carcinogenicity: Not a carcinogenic.

Mutagenicity: Not classified as a mutagen.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Calcium Chloride:
LC50: 759 mg/l Fish - 96 hours
EC50: 590 mg/l Daphnia - 48 hours

Not toxic to aquatic organisms, contain runoff.

Avian Toxicity: No data available

Environmental Hazards: No data available

13. DISPOSAL CONSIDERATIONS

Disposal: Do not reuse empty container. Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state and local regulations.

14. TRANSPORTATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT: Not Regulated

15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory.

SARA (311, 312): Acute Health Hazard

SARA 313: None of the ingredients are listed.

Right To Know Hazardous Substance List: California Prop 65: This product is not listed.
Listed on Right to Know Lists: MA, NJ, PA

Waste Classification: No data available

Workplace Classification: This product is considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: No data available

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: Health: 2
Flammability: 0
Reactivity: 0

NFPA Rating: Health: 1
Flammability: 0
Reactivity: 0



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Special Hazard Warning: Not applicable.