

# MATERIAL SAFETY DATA SHEET

## SECTION I - COMPANY AND PRODUCT INFORMATION

EPA REG. NO. . . . . N/A  
Product SKU Number:..... 3606  
Manufacturer's Name:..... Chem Lab Products, Inc.  
Emergency Telephone No.:..... (909) 390-9912  
..... (800)424-9300(CHEMTREC)  
Street Address:..... 5160 E. Airport Drive  
City/State/Zip code:..... Ontario, CA 91761  
Chemical Name and Synonyms:... Calcium Chloride  
Trade Name and Synonyms:..... **Aqua Guard Calcium Hardness Increaser**  
Chemical Family:..... Mineral Salts  
CAS #:..... 010043-52-4  
Formula:..... CaCl<sub>2</sub>  
DOT Proper Shipping Name:..... Not Regulated  
DOT ID Number:..... Not Regulated  
DOT Hazard Class:..... Not Regulated  
Package Group:..... Not Regulated  
NFPA Rating: Health:1 Flammability:0 Reactivity:0 Special:

## SECTION II - HAZARDOUS INGREDIENTS

Calcium Chloride..... %:94% CAS # 010043-52-4

## SECTION III - PHYSICAL DATA

BOILING POINT .... > 1600 °C pH (in 1% solution): 8-9  
SPECIFIC GRAVITY (H<sub>2</sub>O)=1): VAPOR DENSITY (Air = 1): N/A  
MELTING POINT..... 782 °C  
PERCENT VOLATILE:..... N/A ODOR ..... Odorless.  
VAPOR PRESSURE (cm Hg.): N/A SOLUBILITY IN WATER: Soluble in water, exothermic  
BULK DENSITY (loose): 2.15 APPEARANCE: White or gray-white flakes.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Not considered to be a fire hazard.  
Not considered to be an explosion hazard.

## SECTION V - HEALTH HAZARD DATA

Irritant. Causes irritation to skin, eyes and respiratory organs. Harmful if inhaled or swallowed.

**THRESHOLD LIMIT VALUE:**..... N/A

### EMERGENCY AND FIRST AID PROCEDURES:

**IF SWALLOWED:** Rinse mouth thoroughly with water. If conscious, induce vomiting immediately as directed by medical personnel. If conscious, give 300-500 ml of water. Seek medical attention.

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. If irritation persists, get medical attention.

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF INHALED:** Remove source of contamination or move victim to fresh air, give artificial respiration. Give oxygen. Seek medical attention.

## **SECTION VI - REACTIVITY DATA**

**STABILITY:** This Product is stable under normal conditions of storage, shipment and/or use. Might absorb moisture from the air and turn into solution if kept in open containers.

**CONDITIONS TO AVOID:** Exposure to moisture.

**INCOMPATIBILITY:** (Materials to avoid).. Methyl vinyl ether, water, zinc, bromine trifluoride, mixtures of lime and boric acid, barium chloride, and 2-furan percarboxylic acid. Metals will corrode in aqueous calcium chloride solutions especially aluminum (alloys) and brass.

**HAZARDOUS DECOMPOSITION PRODUCTS:....** When heated to decomposition produces toxic chlorine fumes. In the presence of sulfuric or phosphoric acids might form hydrogen chloride.

**HAZARDOUS POLYMERIZATION:.....** WILL NOT OCCUR

## **SECTION VII - ACCIDENTIAL RELEASE PROCEDURES**

**STEPS TO BE TAKEN IN CASE OF MATERIAL RELEASED OR SPILLED:...** Sweep up into A DRY, CLEAN CONTAINER. Rinse small amounts to sewage using plenty of water.

**WASTE DISPOSAL METHOD:...** Dispose of in compliance with all federal, state and local laws and regulations.

## **SECTION VIII - SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION:** (Specify type)... none required when handling small quantities, otherwise use approved dust mask.

**VENTILATION:** N/A

**LOCAL EXHAUST:.....** N/A

**PROTECTIVE GLOVES:.....** Rubber gloves

**EYE PROTECTION:.....** Chemical Safety goggles or glasses.

## **SECTION IX - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in a tightly closed container in cool, dry and ventilated area. Protect against mechanical damage. Wet calcium chloride and concentrated solutions could corrode steel tanks. When exposed calcium chloride will absorb moisture and form a solution. Containers previously used to store calcium chloride may be hazardous when empty since they contain product residues and leftovers.

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.