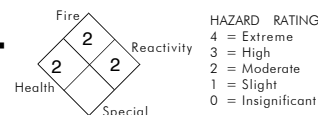




Calcium Hardness Up (Calcium Chloride)

**EMERGENCY MEDICAL
TELEPHONE NUMBER**
1-913-588-6633

MATERIAL SAFETY DATA SHEET



SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Pur-O-Zone, Inc.
345 N. Iowa Street, Lawrence, KS USA
Telephone Number for information: 785-843-0771

Product Name: Calcium Hardness Up
Date Prepared: October 2002
Prepared by Regulatory Affairs Department

Carcinogenicity: NTP? N/A
IARC Monographs? N/A
OSHA Regulated? N/A

Signs and Symptoms of Exposure: See Health Hazards
Medical Conditions Generally Aggravated by Exposure: None Known
Emergency and First Aid Procedures:

Eyes: Flush with large amount of water for at least 15 minutes, holding eyelids open. Call a physician. **Skin:** Wash thoroughly with soap and water. **Ingestion:** Drink 1-2 large glasses of water. Induce vomiting. Call a physician. **Inhalation:** Move to fresh air and rest.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

N/A = Not Applicable N/E = Not Established

Hazardous Components: CAS #s	OSHA PEL	ACGIH TLV	Other Limits	% Optional Calcium chloride
010043-52-4	N/E	N/E	N/E	77-80

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:
Contain spill and ventilate area. Sweep up and put in container for disposal.

Waste Disposal Method:
Flush to sewer with large quantity of water or dispose of inert material in a chemical landfill as permitted by all local, state and federal regulations.

Precautions to be Taken in Handling and Storing:
Avoid contact with skin, eyes, and clothing. Avoid breathing dust. Keep container tightly sealed when not in use.
Other Precautions: Keep out of reach of children.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 347 **Specific Gravity (H₂O=1):** 1.85
Vapor Pressure: N/A **Melting Point:** 345
Vapor Density: N/A **Evaporation Rate (Water = 1):** Nil
Solubility in Water: Complete
Appearance and Odor: White to off-white flake

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None normally required with adequate room ventilation.
Ventilation: Local Exhaust: N/A **Special:** N/A
Mechanical (Gen.): Satisfactory **Other:** Given adequate ventilation
Protective Gloves: Rubber **Eye Protection:** Chemical splash goggles
Other Protective Clothing or Equipment: Full cover clothing- Rubber apron if splashing likely - launder clothing before reuse.
Work/Hygiene Practices: Wash thoroughly after handling.

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (Method Used): N/A **LEL:** 1 **UEL:** 7
Extinguishing Media: Use media proper to the primary cause of fire
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Cool containers exposed to extreme heat with large quantities of water.

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET. The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 C.F.R. 1910. 1200 of the Occupational Safety and Health Standards Hazard Communications Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Pur-O-Zone, Inc. however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Pur-O-Zone, Inc. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state or local regulations concerning the use or disposal of this compound, or compliance with respect to products liability rests solely upon the purchaser thereof.

SECTION V - PHYSICAL HAZARDS

Stability: Unstable **Conditions to Avoid:** N/A
 Stable **Conditions to Avoid:** N/A
Incompatibility (Materials to Avoid): Strong Oxidizers & metals
Hazardous Decomposition: may release toxic fumes of chlorides at temps above 1600 C.
Hazardous Polymerization: May Occur **Conditions to Avoid:** N/A
 Will Not Occur **Conditions to Avoid:** N/A

SECTION VI - HEALTH HAZARDS

Route(s) of Entry: Inhalation? X Skin? X Ingestion? X
Health Hazards (Acute and Chronic):
Eyes: Contact can cause moderate to severe irritation, tearing, and eye damage.
Skin: Contact can cause drying, irritation, and dermatitis as well as chemical burns.
Ingestion: may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Inhalation: may cause mild irritation of eyes, nose, and throat.