



SAFETY DATA SHEET

SECTION 1 PRODUCT & COMPANY IDENTIFICATION

Product Name: ECO Calcium Hardness
Chemical Name/Synonyms: Calcium Chloride
Manufacturer: Dow Chemical Company, Midland, MI, 48674
Telephone: (800)-258-2436



Distributor: Proline Distributors
1191 South Rogers Circle, Boca Raton, FL 33487
3720 Interstate Park Road, North Riviera Beach, FL, 33404
15712 S.W. 41st Street, Suite 1, Davie, FL, 33331
Telephone: (561)-241-7000, (561)-863-1494, (954)-659-3150

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A), H319

GHS Label elements, including precautionary statements

Pictogram

Signal word: **Warning**

Hazard statement(s)

Causes serious eye irritation.

Precautionary statement(s)

Wash skin thoroughly after handling.

Wear protective gloves/ eye protection/ face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3 COMPOSITION / INGREDIENTS

<u>Ingredient (s):</u>	<u>Percent by Weight</u>	<u>CAS #</u>
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Calcium Chloride (CaCl ₂)	77-80 %	10043-52-4
Sodium Chloride	1-2 %	07647-14-5
Potassium Chloride	2-3 %	07447-40-7
Water	15-20 %	07732-18-5

SECTION 4 FIRST AID

Emergency First Aid Procedures:

Eye Contact:	Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist.
Skin Contact:	Wash skin with plenty of water.
Inhalation:	Move person to fresh air; if effects occur, consult a physician.
Ingestion:	If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Note to Physician:	If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point:	NA	Flammable Limits:
Noncombustible		
National Fire Rating System (NFPA):	NA	Hazard Material Identification System (HMIS):
NA		
Extinguishing Media:	This material does not burn. If exposed to fire from another source, use suitable extinguishing agent for that fire.	
Special Fire Fighting Procedures:	Evacuate area of fire.	
Unusual Fire & Explosion Hazards:	Non-combustible.	
Additional Information:	Wear positive pressure, self-contained breathing apparatus and full protective equipment. Evacuate area of unprotected personnel. Isolate the hazard area and deny unnecessary entry.	

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is Released or Spilled:	Sweep or shovel up and place into a suitable and properly labeled container. Wash area with large amounts of water. Flush to sewer with plenty of water, if permitted by applicable disposal regulations.
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SECTION 7 HANDLING & STORAGE

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Store in closed containers. Store in a cool, dry area. Keep containers closed. Protect from physical damage. Utilize local exhaust if dusty or misty conditions exist.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respirator Protection:	If dusty conditions prevail, use dust respirators approved by NIOSH.
Ventilation:	Local exhaust ventilation - personnel should not be exposed to irritating effects of the dust.
Eye Protection:	If exposed to dust, wear chemical goggles. Do not wear contact lenses. Eyes must be protected if dissolving material in water. Eye wash stations should be located in immediate area.
Other Protective Equipment:	Wear full work clothing, including long sleeved shirt and trousers for routine product-handling use. Cotton gloves are usually adequate for dry product. For solutions, wear impervious gloves and apron. If contact is repeated or prolonged, wear full impervious clothing.

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Solid flakes.	Appearance:	White to off-white solid flakes.
Odor:	Odorless	Specific Gravity:	1.85
Boiling Point:	347 ⁰ F (174 ⁰ C)	Freezing Point:	Approx. 347 ⁰ F (174 ⁰ C)
pH:	7-8	Vapor Pressure (mm Hg):	1.0 mmHg @ 20 ⁰ C/68 ⁰ F
Solubility in Water	Very Soluble	Vapor Density:	NA

SECTION 10 STABILITY & REACTIVITY

Stability:	Stable. Hygroscopic.
Incompatibility (Materials to Avoid):	Corrosive to some metals. Avoid contact with metal such as: brass, mild steel, aluminum, or ferrous metals. Flammable hydrogen may be generated from contact with metals such as zinc or sodium. Avoid contact with sulfuric acid. Heat is generated when mixed with water. Spattering or boiling can occur.
Hazardous Decomposition Products:	NA
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.

SECTION 11 TOXICOLOGICAL INFORMATION

Threshold Limit Value:	OSHA PEL & ACGIH TLV
Toxic Limits: Skin:	LD50 >5000 mg/kg (rabbits)
Ingestion:	LD50 900-2100 mg/kg (rats)
Mutagenicity:	Negative

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 > 100 mg/L in the most sensitive species tested).

Environmental Fate: Partitioning from water to n-octano is not applicable. Biodegradation is not applicable

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Methods:	Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste. If unused & uncontaminated, preferred disposal include sending to a licensed, permitted reclaimer, landfill or waste water treatment plant.
Additional Information:	This material is categorized by EPA as an "immediate health hazard". Plan in advance for such an incident and have the necessary equipment available.

SECTION 14 TRANSPORTATION INFORMATION

DOT Proper Shipping Name:	Not a regulated product.
DOT Hazard Class:	NA
DOT Identification #:	NA

SECTION 15 REGULATORY INFORMATION

SARA 313 (supplier notification) – NA
 SARA 311 & 312 – considered "immediate health hazard" due to possibility of eye or skin irritation.
 CERCLA - NA
 RQ: NA

SECTION 16 OTHER INFORMATION

4/12/08 – Revise formatting to GHS standards.
 5/24/04 – Previous version.
 3/15/15 – Add GHS Pictograms.
 6/30/15 - Revise Hazards Identification and include GHS elements

The data in this Material Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Proline Distributors assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.

For additional information, contact our technical service department.