

CALCIUM BLASTER #2403

Scale & Mineral Remover



Features:

- Prevents calcium and uric acid deposits in pipes
- Reduces odors
- Reduces labor of removing piping to clean
- Safe for all plumbing, including PVC plastics and all metals
- Reduces transportation costs
- Safer for end user
- Safe on glass
- Safe on nickel
- Can be used in waterless urinals

Description:

CALCIUM BLASTER is safer to use than commonly used acid products. It effectively removes scale and mineral build-up from toilets, urinals, waterless urinals, drinking fountains, air conditioning equipment, ice machines, cooling towers and most water drain lines. Rapidly penetrates and dissolves the toughest mineral deposits. Contains a combination of penetrating agents, degreasing compounds and corrosion inhibitors that even outperform straight acid-based products. Using this product reduces transportation costs because it does not carry a hazardous shipping label.



Applications:

- Calcium
- Sodium
- Toilets/Urinals
- Dishwashers
- Uric Salts
- Lime
- Fixtures/Restrooms
- Ice Machines
- Magnesium
- Rust
- Tiles
- Showers
- Water Heaters
- Cooling Towers
- Drinking Fountains
- Air Conditioning Equipment

Solutions:

- Water Treatment Plants
- Food Processing Plants
- Correctional Facilities
- Athletic Facilities
- Airports
- Hospitals

Product Characteristics:

Appearance:	Clear liquid
Odor:	None
pH:	2.2
Specific Gravity (H ₂ O=1):	1.086
Solubility (water):	Soluble
Flash Point:	None
VOC:	0
Relative Density (H ₂ O=1):	1.079
Flammability (solid/gas):	Non-flammable
Boiling Point/Range:	212°F (100°C)
Storage:	Store in cool, dry area. Prevent product from freezing. Keep out of the reach of children.
Transport Information:	
Proper Shipping Name:	Non-hazardous liquid
UN Number:	Not applicable
Hazard Class:	Not regulated

Directions:

Plumbing: For best results use on a preventative maintenance program.
Urinals: Add 8 ounces and allow to stand for 15 minutes, then flush with water.

Waterless Urinals: For daily cleaning, spray CALCIUM BLASTER in the urinal. Wipe clean with a soft, nonabrasive cloth. Repeat for heavier soils.

Toilet Bowl: Flush the toilet and allow to refill with water. Add 8 ounces into the bowl and wait 15 minutes. Use a brush to clean toilet bowl. Flush toilet and repeat.

Drains: Pour 8-12 ounces into the drain and wait 15 minutes. Flush drain with 2 gallons of water. Repeat as necessary.

Ice Machines: Close water supply valve and isolate refrigeration circulation. Add 12 ounces to 2 gallons of water in reservoir. Start circulation and circulate for 10 minutes. Drain reservoir and fill with fresh water. Flush pump, nozzles, chutes and reservoir for 5 minutes with fresh water and drain the reservoir. Run at least 2 batches of cubes and discard before placing machine in production.

Cleaning: Spray directly on surfaces and wipe clean.

Scale Remover - Directions for Cleaning a Water Heater:

For gas-powered heaters, simply turn off the gas valve. For electric water heaters turn off the power supply and/or unplug the system. Turn off the water supply.

Drain the water in the tank by relieving the pressure inside the hot water heater, using an adjustable wrench, pull the pressure regulator carefully until the pressure has been released from the tank.

Attach a drainage hose and open the tank drain valve near the bottom to empty the water. After the drainage process is complete, close the drain valve.

Pour one gallon of Scale Remover through the relief valve opening. Allow the solution to dwell inside the tank for an hour or two, then flush it from the tank.

Tighten the pressure regulator, fill the tank with water and restore power to the water heater.

Pictograms:



Signal Word:
WARNING.

Personal Protective Equipment Required:





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2403	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	CALCIUM BLASTER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Scale & Mineral Remover	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Acute toxicity, Oral, Dermal, Inhalation Category 5 Eye Irritation, Category 2B	SIGNAL WORD: WARNING	SYMBOL:	
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HAZARD STATEMENTS:

H303+H313+H333 - Maybe harmful if swallowed, in contact with skin or if inhaled.
H320 - Causes eye irritation.

PRECAUTIONARY STATEMENTS PREVENTION:

P264 - Wash hands thoroughly after handling.

PRECAUTIONARY STATEMENTS RESPONSE:

P304 + 340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+352 - IF ON SKIN: Wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Aqua	7732-18-5	70-90
Wetting Agent	Proprietary	1-10
Surfactant	Proprietary	1-10
Scale Inhibitor	Proprietary	1-10

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Flush eyes for fifteen minutes with water. If irritation persists, contact a physician.

SKIN: Wash with soap and water. If irritation persists, contact a physician.

INHALATION:

Not normally required. Move to fresh air. If symptoms persist, get medical attention.

INGESTION:

Not normally required. Contact a physician if ingested.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Unused form: Water spray, dry chemical, or carbon dioxide.

Used form: That which is compatible to liquid(s) absorbed.

SPECIAL FIRE FIGHTING PROCEDURES:

None required.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon monoxide and/or carbon dioxide.

UNUSUAL HAZARDS:

None expected. Refer to absorbed liquid(s) SDS(s). Extreme heat may cause pressure to build up inside drum.

6. Accidental Release Measures

If material is unused, collect and recover for reuse. Wear protective equipment. Not a listed hazardous waste.

7. Handling and Storage

HANDLING PRECAUTIONS:

Avoid contact with skin and eyes. Do not swallow. Wash hands thoroughly after handling.

STORAGE PRECAUTIONS:

Store in cool, dry area. Prevent product from freezing. Keep out of the reach of children. Shelf life: 3 years as long as the product is kept in a clean, dry environment away from direct sunlight and/or excessive heat.

GENERAL:

Refer to absorbed liquid(s) SDS(s). Follow label directions carefully. Make sure all containers are labeled properly. The container can be hazardous when empty. Follow label cautions, even after the container is empty. Do not reuse empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT:



Eye/Face Protection: Safety goggles or glass with side shields.

Skin Protection: Impervious gloves.

Respiratory Protection: NIOSH/MSHA approved respirator when ventilation is inadequate.

General Hygiene Considerations: Maintain eyewash and safety shower in work area.

ENGINEERING CONTROLS:

Use adequate ventilation to keep airborne concentrations low.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

EXPOSURE LIMIT 8 hrs. TWA (ppm)

OSHA PEL ACGIH TLV

None.

9. Physical & Chemical Properties

Appearance:	Clear liquid.	Flammability(solid/gas):	Non-flammable.
Odor:	None.	Flammable Limits:	Not applicable.
pH:	2.2	Explosive Properties:	Not established
Melting/Freezing Point:	32°F (0°C)	Vapor Density:	Not established.
Boiling Point/Range:	212°F (100°C)	Vapor Pressure:	Not available.
VOC (g/L):	0	Relative Density (H₂O)=1):	1.086
Flash Point:	None.	Solubility (water):	Soluble
Evaporation Rate:	Not established.	FLASH POINT METHOD:	Not available.

10. Stability & Reactivity Information

GENERAL:

This is a stable material.

CONDITIONS OF REACTIVITY:

Reacts with sodium hypochlorite or calcium hypochlorite.

INCOMPATIBLE MATERIALS:

Strong oxidants.

CONDITIONS TO AVOID:

Excessive heat or flame.

HAZARDOUS DECOMPOSITION:

Not established.

HAZARDOUS POLYMERIZATION:

Will not occur.

11. Toxicological Information

LD50: Not established.

LC50: Not established.

CARCINOGENICITY:

IRAC: None.

NATIONAL TOXICOLOGY PROGRAM: None.

OSHA: None.

CALIFORNIA PROP 65: No listed Ingredient.

REPRODUCTION TOXICITY:

Not available.

TERATOGENICITY:

Not available.

MUTAGENICITY:

Not available.

SYNERGISTIC PRODUCTS:

Not available.

12. Ecological Information

No data available.

13. Disposal Consideration

Observe all federal, state and local regulations.

14. Transportation Information

D.O.T. (DEPARTMENT OF TRANSPORTATION):

PROPER SHIPPING NAME: Non-hazardous liquid.

HAZARD CLASS: Not regulated.

IDENTIFICATION NUMBER: Not applicable.

15. Regulatory Information

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT):

No reportable quantity.

OSHA HAZARD COMMUNICATION STANDARD, 28 CFR 1910.1200:

No hazardous ingredient.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

No listed ingredient.

TSCA (TOXIC SUBSTANCES CONTROL ACT):

All ingredients are listed.

16. Other Information

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.

Plumbing:

For best results use on a preventative maintenance program.

- **Urinals:** Add 8 ounces and allow to stand for 15 minutes, then flush with water.
- **Toilet Bowl:** Flush the toilet and allow to refill with water. Add 8-ounces of Calcium Blaster into the bowl and wait 15 minutes. Use a brush to clean toilet bowl. Flush toilet and repeat.
- **Drains:** Pour 8-12 ounces into the drain and wait 15 minutes. Flush drain with 2-gallons of water. Repeat as necessary. For best results, allow product to stand up to 2 hours, then flush with water.
- **Ice Machines:** Close water supply valve and isolate refrigeration circulation. Add 12-ounces to 2-gallons of water in reservoir. Start circulation and circulate for 10 minutes. Drain reservoir and fill with fresh water. Flush pump, nozzles, chutes and reservoir for 5 minutes with fresh water and drain the reservoir. Run at least 2 batches of cubes and discard before placing machine in production.

Cleaning:

Spray Calcium Blaster directly on surfaces and wipe clean.

Calcium Blaster effectively removes scale and mineral build-up from toilets, urinals, drinking fountains, air conditioning equipment, ice machines, cooling towers and most water drain lines. It rapidly penetrates and dissolves the toughest calcium, uric salts, magnesium, sodium, lime accumulations, light rust, and other minerals deposits. Calcium Blaster has a combination of penetrating agents, degreasing compounds and corrosion inhibitors that even outperform straight acid-based products. It is safe for all plumbing, including PVC plastics, and all metal pipes.



CALCIUM BLASTER

- **Prevents calcium and uric acid deposits in pipes**
- **Reduces odors**
- **Reduces labor of removing piping to clean**
- **Removes light rust from porcelain.**

Contents: 1 QT

GHS PANEL

GHS Classification: Not a dangerous substance according to GHS.

Caution: Keep out of reach of children. Read label and SDS before use. Do not mix with other cleaners. May cause eye irritation if contact occurs. Do not swallow. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause respiratory tract irritation if inhaled. May cause skin irritation if contact occurs. Wash hands thoroughly after handling. Dispose of contents and containers in accordance with local, state and federal regulations. First Aid: If in Eyes: Flush eyes for fifteen minutes with water removing contact lenses. If irritation persists, contact a physician. Ingestion: Not normally required, contact a physician if ingested. Skin Contact: Wash with soap and water. If irritation persists, contact a physician. Inhalation: Not normally required. Move to fresh air, if symptoms persist, get medical attention.

H.M.I.S. Hazard Rating: Health= 1, Flammability = 0, Reactivity = 0.

Pro Chem, Inc.

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www.procheminc.com



Health	1
Flammability	0
Reactivity	0
PPE	

#240301