
*
PHOENIX PRODUCTS COMPANY
55 Container Drive
Terryville, CT 06786
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PRODUCT NAME:
CALCIUM HYPOCHLORITE

MATERIAL
SAFETY DATA
SHEET
12/30/02

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SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS: Calcium Hypochlorite
CHEMICAL FAMILY: Hypochlorite
FORMULA: Ca (OCI)₂
TRADE NAME: SUPER SHOCK
DESCRIPTION: White powder with a slight chlorine odor.
CAS NO. 07778-54-3

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SECTION II - PHYSICAL DATA

Boiling Point: N/A	Melting Point: 177°C
Vapor Pressure: N/A	pH: 1% aq sol 10.5 - 11.5
% Volatile by Volume: N/A	Density: loose 47-50 lb./cu ft
Solubility in water: 21% @ 21°C	Evaporation Rate: N/A
Specific Gravity (H₂O=1): 0.8 g/ml (50 lb. s/ cu ft.)	Vapor Density (Air=1): N/A

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SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A **Autoignition Temp:** N/A
Flammable Limits in Air % By Volume: N/A
Extinguishing Media: Not combustible but may ignite combustible materials or organic matter upon contact. Flood with water to keep fire-exposed containers cool.
Special Fire Fighting Procedures: When this material is involved in a fire, use a NIOSH approved self-contained breathing apparatus and protective clothing. Fire can erupt and spread rapidly.
Unusual Fire and Explosion Hazards: None

OSHA CLASSIFICATION: Oxidizer

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SECTION IV - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Chlorine gas, 1ppm ACGIH 1985-86.
EFFECTS OF OVEREXPOSURE: Corrosion of all tissue contact. Severe eye irritation. Primary skin irritation; Corrosive.

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SECTION V - EMERGENCY AND FIRST AID PROCEDURE

INHALATION: Remove to fresh air. Consult a physician.
SKIN: Flush with water for 15 minutes, consult a physician.
EYE: Flush with water for at least 15 minutes. Immediately consult a physician.
INGESTION: Drink large amounts of water. DO NOT induce vomiting. Consult a physician.

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SECTION VI - TOXICOLOGY

Acute Oral LD50(rat): 850 mg/kg	Acute Inhalation: ~ 1700 mg/cu lethal
Acute Dermal LD50 (rabbit): >2 g/kg	mutagen test for 1 hr in the rat based on acute
CARCINOGENIC: Not known to be.	toxicity for chlorine.
MUTAGENIC: negative dominant	

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SECTION VII - REACTIVITY DATA

Stability: Unstable @ 350°F

Conditions to Avoid: When heated to 350°F it decomposes rapidly with evolution of oxygen and heat.

Incompatibility (materials to avoid): Solvents, acids, pool chemicals, (isocyanurates), vinegar and organic materials. Do Not mix with anything but water.

Hazardous Decomposition: Chlorine.

Hazardous Polymerization: Will not occur.

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SECTION VIII - SPILL, LEAKAGE & DISPOSAL PROCEDURES

Steps to take if material leaks or spills: Remove all sources of ignition. Wear all recommended protective clothing. Clean up in a manner to minimize contamination with organic material. Do not return material to original container. Place in a fresh container and isolate outside or in a well ventilated area. Do not seal container. Flush any residual material with large quantities of water.

Waste disposal method: Dispose of contaminated products and material used for clean up in accordance with all Federal, State and Local regulations.

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SECTION IX - SPECIAL PROTECTION DATA

Ventilation: Local ventilation is required where exposure to dust may occur.

Eye Protection: Use safety glasses or goggles.

Respiratory Protection: Use an approved NIOSH respirator.

Protective Gloves: Use gloves impervious to this material.

Other Equipment: Wear clean, long-sleeved, body-covering clothing and impervious boots. Eye wash fountain should be located near work area.

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SECTION X - SPECIAL PRECAUTIONS DATA

Handling and Storage: Do not get in eyes, on skin or clothing. Avoid breathing dust. Protect against physical damage. Store in cool, dry, well ventilated area away from flammable liquids, combustible or oxidizable materials. Drums may rupture if contents are exposed to heat, becomes contaminated or wet. Avoid prolonged storage in unventilated areas at summer temperatures.

Other: None.

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SECTION XII - TRANSPORTATION INFORMATION

This material is regulated as a D.O.T. Hazardous material.

DOT description from the hazardous materials table 49 CFR 172;

CALCIUM HYPOCHLORITE, HYDRATED,5.1, UN#2880, PGII

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The information herein is given in good faith but no warranty, expressed or implied, is made.

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