PHOENIX PRODUCTS COMPANY 55 Container Drive Terryville, CT 06786 (860) 589-7502

PRODUCT NAME: CALCIUM HYPOCHLORITE MATERIAL SAFETY DATA SHEET 12/30/02

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

SECTION II - PHYSICAL DATA

Boiling Point: N/AMelting Point: 177° CVapor Pressure: N/ApH: 1% aq sol 10.5 - 11.5% Volatile by Volume: N/ADensity: loose 47-50 lb./cu ftSolubility in water: 21% @ 21° CEvaporation Rate: N/ASpecific Gravity (H_2 O=1): 0.8 g/ml (50 lb. s/ cu ft.)Vapor Density (Air=1): N/A

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

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.

SECTION VI - TOXICOLOGY

Acute Oral LD50(rat): 850 mg/kg

Acute Inhalation: ~ 1700 mg/cu lethal

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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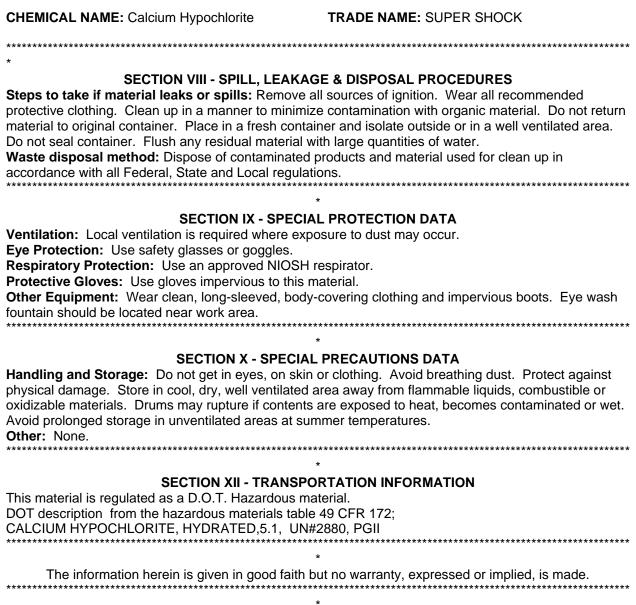
Stability: Unstable @ 350°F

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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