

Material Safety Data Sheet

Provided by:
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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name CALCIUM HYPOCHLORITE

Synonyms CAL HYPO

Chemical Name CALCIUM HYPOCHLORITE

Emergency phone: 281-457-4888

Date of Issue: 1/4/00

Chemtrec: 800-424-9300

Revised Date: 1/10/2002

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	PERCENT	CAS NO.
CALCIUM HYPOCHLORITE	65 - 70 %	7778-54-3

SECTION 3 - HAZARDS IDENTIFICATION

Potential Health Effects

ACGIH - TLV: NOT ESTABLISHED.

Eye Contact CAN CAUSE SEVERE IRRITATION AND POSSIBLE BURNS.

Skin Contact CAN CAUSE SEVERE IRRITATION AND POSSIBLE BURNS.

Ingestion CAN CAUSE SEVERE DAMAGE TO DIGESTIVE TRACT.

Inhalation MAY CAUSE SEVERE RESPIRATORY TRACT IRRITATION WITH POSSIBLE BURNS.

Carcinogenicity: *NTP* NO *IARC* NO *OSHA* NO

SECTION 4 - FIRST AID PROCEDURES

Eye Contact: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.

Skin Contact: IMMEDIATELY REMOVE CONTAMINATED CLOTHING OR SHOES, WIPE EXCESS FROM SKIN AND FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. USE SOAP IF AVAILABLE OR FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING UNTIL THOROUGHLY CLEANED. GET MEDICAL ATTENTION.

Inhalation: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

Ingestion: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK AND GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON!

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point NOT APPLICABLE

Extinguishing Media WATER ONLY.

**Special Firefighting
Procedures/Precuations**

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. STAY UPWIND AND KEEP OUT OF LOW AREAS.

SECTION 6 -ACCIDENTAL RELEASE MEASURES

For Spill: SWEEP UP AND DISSOLVE IN WATER. IF REGULATORS PERMIT, NEUTRALIZED MATERIAL MAY BE FLUSHED TO SEWER.

SECTION 7 - HANDLING AND STORAGE

Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area, away from heat and incompatible materials. Protect containers from physical damage.

USE ONLY A CLEAN, DRY SCOOP MADE OF METAL OR PLASTIC EACH TIME PRODUCT IS TAKEN FROM CONTAINER. DO NOT ADD THIS PRODUCT TO ANY DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT. SUCH USE MAY CAUSE VIOLENT REACTION LEADING TO FIRE OR EXPLOSION. ADD THIS PRODUCT ONLY TO WATER. MAY CAUSE FIRE OR EXPLOSION IF MIXED WITH OTHER CHEMICALS. FIRE MAY RESULT IF CONTAMINATED WITH ACIDS OR EASILY COMBUSTIBLE MATERIALS SUCH AS OIL, KEROSENE, GASOLINE, PAINT PRODUCTS AND MOST OTHER ORGANIC MATERIALS. DO NOT REUSE CONTAINER. DO NOT CONTAMINATE FOOD, WATER, OR FEED BY STORAGE OR DISPOSAL.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection USE A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS WHERE DUST OR MIST MAY BE GENERATED.

Ventilation LOCAL AND MECHANICAL RECOMMENDED.

Protective Gloves CHEMICAL IMPERVIOUS GLOVES.

Eye/Face Protection CHEMICAL SAFETY GOGGLES AND/OR FULL-FACE SHIELD.

Other Protection CHEMICAL RESISTANT CLOTHING SUCH AS COVERALLS/APRON, BOOTS, ETC.

Work Practices USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. PROMPTLY REMOVE SOILED CLOTHING AND WASH THOROUGHLY BEFORE REUSE. SHOWER AFTER WORK USING PLENTY OF SOAP AND WATER.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F): Decompose @ 180 **Vapor Pressure (mmHg):** NOT APPLICABLE

Freezing Point (°F): NOT APPLICABLE **Vapor Density (Air=1):** NOT APPLICABLE

Solubility (H2O): 217g/l @ 27 **Specific Gravity (H2O=1):**

pH 9 - 11 **Evaporation Rate:** NOT APPLICABLE

Appearance/Odor: WHITE WITH SLIGHT CHLORINE ODOR.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: YES

Incompatible Materials EXCESSIVE HEAT, COMBUSTIBLE MATERIALS, ORGANICS, REDUCING AGENTS.

Decomposition Products EXCESSIVE HEAT WILL CAUSE DECOM RESULTING IN CHLORINE GAS RELEASE, ACID OR AMMONIA CONTAMINATION WILL RELEASE TOXIC GASES.

Hazardous Polymerization: WILL NOT OCCUR.

SECTION 11 - TOXICITY INFORMATION

NO DATA AVAILABLE.

SECTION 12 - ECOLOGICAL INFORMATION

AQUATIC TOXICITY: LC50 = 0.088 MG/L/96HR/BLUEGILL

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSE OF WASTE MATERIALS ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORT INFORMATION

USA DOT Shipping Name: CALCIUM HYPOCHLORITE, HYDRATED

Hazard Class: 5.1

UN/NA Number: UN2880

Packing Group: II

Subsidiary Hazard

Marine Pollutant: NO

SECTION 15 - REGULATORY INFORMATION

CERCLA RQ (lbs): 10

SARA Title III Section 312:

Acute **Chronic** **Flammable** **Sudden Release of Pressure** **Reactive**

SARA Title III Section 313: No

SARA Extremely Hazardous Substance: No

HMIS HAZARD RATING

Health: 3 **Fire:** 0 **Reactivity:** 1

0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16 - OTHER INFORMATION

EPA Pesticide Registration Number: NOT APPLICABLE

NSF Maximum Use Level for Potable Water (Standard 60): NOT APPLICABLE

TSCA (Toxic Substance Control Act), 40 CFR 710:

Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Section 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

DISCLAIMER

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