

## **CALCIUM HYPOCHLORITE, TECHNICAL**

### **MSDS Number**

BNBZV

### **National Stock Number**

6810-00-255-0472

### **Product Name**

CALCIUM HYPOCHLORITE, TECHNICAL

### **Manufacturer**

PUMA CHEMICAL COMPANY INC

### **Product Identification**

Product ID: CALCIUM HYPOCHLORITE, TECHNICAL

MSDS Date: 02/25/1992

FSC: 6810

NIIN: 00-255-0472

MSDS Number: BNBZV

### **Responsible Party**

PUMA CHEMICAL COMPANY, INC

1601 - 109TH STREET

GRAND PRAIRIE , TX 75050

US

Emergency Phone: 800-424-9300 CHEMTREC

Info Phone: 214-988-3447

Cage: 0BBAI

### **Contractor**

PUMA CHEMICAL CO., INC.

GRAND PRAIRIE, TX 75050

US

214-988-3447

Cage: 0BBAI

### **Ingredients**

CALCIUM HYPOCHLORITE (SARA III) (EPA WASTE NUMBER D001

CAS: 7778-54-3

RTECS: NH3485000

Fraction By Weight: 65-75%

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

SODIUM CHLORIDE

CAS: 7647-14-5

RTECS: VZ4725000

Fraction By Weight: 10-20%

CALCIUM CHLORATE

CAS: 10137-74-3  
RTECS: FN9800000  
Fraction By Weight: 0-5%

CALCIUM HYDROXIDE  
CAS: 1305-62-0  
RTECS: EW2800000  
Fraction By Weight: 0-4%  
OSHA PEL15 MG/M3 TDUST  
ACGIH TLV: 5 MG/M3; 9293

CALCIUM CARBONATE  
CAS: 471-34-1  
RTECS: FF9335000  
Fraction By Weight: 0-4%  
OSHA PEL15 MG/M3  
ACGIH TLV: 10 MG/M3

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: SEVERE IRRITATION, BURNS, VISION IMPAIRMENT, CORNEAL DAMAGE. SKIN: SEVERE IRRITATION, BURNS, DERMIS DESTRUCTION WITH IMPAIRMENT TO REGENERATE. INHALATION: NOSE, MOUTH, THROAT, AND LUNG IRRITATION. BURNS TO RESPIRATORY TRACT. PERMANENT LUNG DAMAGE. INGESTION: GASTROINTESTINAL TRACT IRRITATION, BURNS.  
Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT ARE LISTED AS A CARCINOGEN BY NTP, IARC, OR OSHA.  
Effects of Overexposure:SKIN: REDNESS, SWELLING, SCAB FORMATION.  
INHALATION: LUNG EDEMA, SHORTNESS OF BREATH, WHEEZING, CHOKING, CHEST PAIN, IMPAIRMENT OF LUNG FUNCTION. INGESTION: NAUSEA, VOMITING, DIARRHEA, ABDOMINAL PAIN, BLEEDING OR TISSUE ULCERATION.  
Medical Cond Aggravated by Exposure:ASTHMA, RESPIRATORY AND CARDIOVASCULAR DISEASE.

## First Aid

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. CALL A PHYSICIAN. SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE REUSE. INHALATION: REMOVE TO FRESH AIR. SUPPORT RESPIRATION IF NEEDED. CALL A PHYSICIAN.INGESTION: DRINK A LARGE QUANTITY OF WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN. DO NOT GIVE ANYTHING BY MOUTH IF PERSON IS UNCONSCIOUS OR CONVULSING.

## Fire Fighting

Extinguishing Media:NOT APPLICABLE. DO NOT USE DRY EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS.  
Fire Fighting Procedures:WEAR POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS. USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND PROTECT PERSONNEL.  
Unusual Fire/Explosion Hazard:DECOMPOSES AT HIGH TEMPERATURE AND MAY RELEASE CHLORINE GAS.

## Accidental Release

Spill Release Procedures:STOP LEAK IF WITHOUT RISK. KEEP OUT OF SEWER, WATERCOURSE, SURFACE WATER, AND SOIL. SMALL: COLLECT WITH A SHOVEL INTO A DOT CONTAINER. LARGE: EVACUATE. NOTIFY AUTHORITIES.

## Handling

Handling and Storage Precautions:STORE IN A COOL, DRY, AREA AWAY FROM CORROSIVE AND ACIDIC MATERIALS. AVOID CONTACT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM CHILDREN.

Other Precautions:USER OF MATERIAL IS RESPONSIBLE TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLY W/RELEVANT LOCAL, STATE, FEDERAL LAWS REGARDING TREATMENT (STORAGE/DISPOSAL FOR WASTE).

## Exposure Controls

Respiratory Protection:NIOSH/MSHA RESPIRATOR MAY BE NECESSARY TO PREVENT OVEREXPOSURE BY INHALATION.

Ventilation:LOCAL EXHAUST AND MECHANICAL DILUTION VENTILATION IS RECOMMENDED WHENEVER THIS PRODUCT IS USED.

Protective Gloves:USE CHEMICAL RESISTANT GLOVES.

Eye Protection:WHERE CONTACT MAY OCCUR, WEAR FACE SHLD

Other Protective Equipment:HANDLING EQUIPMENT SHOULD BE GROUNDED PROPERLY AND USE EXPLOSION-PROOF EQUIPMENT.

Work Hygienic Practices:ALWAYS WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

Supplemental Safety and Health

EPA WASTE NUMBER D001. RQ 10#.

## Chemical Properties

HCC:D1

Decomp Temp:Decomp Text:350F,177C

Spec Gravity:0.8 (WATER=1)

pH:\*

Solubility in Water:MODERATE

Appearance and Odor:FREE FLOWING, GRANULAR, CHLORINE ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES

ACIDS, ORGANICS, NITROGEN CONTAINING COMPOUNDS, CORROSIVE, FLAMMABLE OR COMBUSTIBLE MATERIALS.

Stability Condition to Avoid:EXCESSIVE HEAT, HIGH HUMIDITY.

Hazardous Decomposition Products:CHLORINE GAS.

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN PERMITTED HAZARD WASTE TREATMENT, STORAGE, DISPOSAL FACILITY. TAKE CARE TO PREVENT ENVIRONMENTAL CONTAMINATION FROM USE.

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