

## **CALCIUM HYDROXIDE**

### **MSDS Number**

BXGCV

### **National Stock Number**

6810-00D003529

### **Product Name**

CALCIUM HYDROXIDE

### **Manufacturer**

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

### **Product Identification**

Product ID:CALCIUM HYDROXIDE

MSDS Date:04/06/1994

FSC:6810

NIIN:00D003529

MSDS Number: BXGCV

### **Responsible Party**

WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

ROCHESTER , NY 14692-9012

US

Emergency Phone: 716-226-6177/334-4222/800-424-9300

Info Phone: 716-359-2502

Preparer: ALEXANDER A. PICCIRILLI

Cage: EO227

### **Contractor**

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

### **Ingredients**

CALCIUM HYDROXIDE

CAS: 1305-62-0

RTECS: EW2800000

Fraction By Weight: >98%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 5 MG/M3; 9495

### **Hazards**

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 7340 MG/KG (RTECS).

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &

GI TRACTS. PRODUCT IS CORROSIVE. ACUTE- CAN CAUSE BURNS OF EYES &

SKIN. DUST CAN CAUSE SEVERE UPPER RESPIRATORY TRACT IRRITATION.

INGESTION IS HARMFUL. CHRONIC- DERMATITIS.

Explanation of Carcinogenicity:NONE

Effects of Overexposure: SEVERE IRRITATION, NAUSEA, BURNS, ABDOMINAL PAIN, DIARRHEA, VOMITING, ULCERATION, DERMATITIS  
Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

## First Aid

First Aid: CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN.  
SKIN: WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER OR MILK. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

## Fire Fighting

Flash Point: NON-FLAMMABLE  
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.  
Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. MAY FORM HAZARDOUS DECOMPOSITION PRODUCTS.  
Unusual Fire/Explosion Hazard: MAY FORM HAZARDOUS DUST AND/OR HAZARDOUS DECOMPOSITION PRODUCTS.

## Accidental Release

Spill Release Procedures: RECLAIM AS MUCH AS POSSIBLE. SWEEP UP AND PLACE IN A SUITABLE CONTAINER FOR LATER DISPOSAL. WASH SPILL AREA WITH WATER AFTER PICK UP IS COMPLETE.  
Neutralizing Agent: WEAK ACID

## Handling

Handling and Storage Precautions: STORE IN COOL, DRY PLACE AWAY FROM ACID AND ACID FUMES. KEEP CONTAINER TIGHTLY CLOSED.  
Other Precautions: AVOID CREATING DUSTS. AVOID EYE AND SKIN CONTACT. AVOID INHALATION OF DUST. KEEP OUT OF REACH OF CHILDREN. OBEY HAZARD WARNING LABEL. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD OR HOUSEHOLD USE.

## Exposure Controls

Respiratory Protection: NONE NORMALLY REQUIRED. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED DUST RESPIRATOR OR DUST MASK. IN EMERGENCY, WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.  
Ventilation: ADEQUATE  
Protective Gloves: RUBBER, LATEX  
Eye Protection: SAFETY GOGGLES  
Other Protective Equipment: EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM  
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.  
Supplemental Safety and Health

## Chemical Properties

HCC: T6  
NRC/State Lic Num: NOT RELEVANT  
Boiling Pt: B.P. Text: DECOMPOSES  
Melt/Freeze Pt: M.P/F.P Text: 1076F -H2O  
Decomp Temp: Decomp Text: >1076F, >580  
Vapor Pres: NEGLIGIBLE  
Vapor Density: 2.6  
Spec Gravity: 2.343  
Viscosity: NOT RELEVANT  
Evaporation Rate & Reference: NOT RELEVANT  
Solubility in Water: SLIGHT  
Appearance and Odor: FINE WHITE OR YELLOW-WHITE CRYSTALLINE POWDER; NO ODOR

---

## Stability

Stability Indicator/Materials to Avoid: YES

ACIDS

Stability Condition to Avoid: EXCESSIVE HEAT (ABOVE 1076F), MOISTURE

Hazardous Decomposition Products: CALCIUM OXIDE (QUICK LIME) MAY BE FORMED.

## Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. MAY BE DISPOSED OF IN AN APPROVED LANDFILL OR CONTRACT WITH A LICENSED WASTE DISPOSAL SERVICE.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.