

## **HTH DRY CHLORINE GRANULAR**

### **MSDS Number**

BKBBR

### **National Stock Number**

6810-00-255-0472

### **Product Name**

HTH DRY CHLORINE GRANULAR

### **Manufacturer**

OLIN CORP CHEMICALS GROUP

### **Product Identification**

Product ID:HTH DRY CHLORINE GRANULAR

MSDS Date:04/20/1989

FSC:6810

NIIN:00-255-0472

MSDS Number: BKBBR

### **Responsible Party**

OLIN CORP,CHEMICALS GROUP

120 LONG RIDGE RD

STAMFORD , CT 06904

US

Emergency Phone: 800-OLIN-911,800-424-9300(CHEMTREC)

Info Phone: 203-356-2000

Cage: KO884

### **Contractor**

OLIN CORP,CHEMICALS GROUP

STAMFORD, CT 06904

US

203-356-2000

Cage: KO884

### **Ingredients**

CALCIUM HYPOCHLORITE (SARA III)

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%

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 5.5-10%

CALCIUM CHLORATE

CAS: 10137-74-3

RTECS: FN9800000

Fraction By Weight: 0-5%

CALCIUM CHLORIDE

CAS: 10043-52-4

RTECS: EV9800000

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 TDUST

ACGIH TLV: 10 MG/M3 TDUST 9293

## Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 850 MG/KG.

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, IMPAIRMENT OF VISION. CORNEAL DAMAGE. SKIN: SEVERE IRRITATION, BURNS, DESTRUCTION OF DERMIS. INHALATION: IRRITATING TO NOSE, MOUTH, THROAT, LUNGS, BURNS TO RESPIRATORY TRACT AND PERMANENT LUNG DAMAGE. INGESTION: IRRITATION AND BURNS TO ENTIRE GI TRACT INCLUDING STOMACH AND INTESTINES.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT KNOWN OR REPORTED TO BE CARCINOGENIC BY ANY REFERENCE SOURCE INCLUDING IARC, OSHA, NTP OR EPA.

Effects of Overexposure:EYES: IRRITATION, BURNS. SKIN: IRRITATION, BURNS, SCAB FORMATION, TISSUE DESTRUCTION. INHALATION: IRRITATION OF NOSE, MOUTH, THROAT, LUNGS. BURNS TO RESPIRATORY TRACT, WHEEZING, CHOKING, CHEST PAIN, LUNG DAMAGE. INGESTION: GI TRACT IRRITATION AND BURNS, NAUSEA, DIARRHEA, ABDOMINAL PAIN, BLEEDING, TISSUE ULCERATION.

Medical Cond Aggravated by Exposure:ASTHMA, AND RESPIRATORY AND CARDIOVASCULAR DISEASE.

## First Aid

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. SUPPORT RESPIRATION IF NEEDED. GET MEDICAL ATTENTION. INGESTION: DRINK LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

## Fire Fighting

Fire Fighting Procedures:USE WATER TO COOL CONTAINERS EXPOSED TO FIRE. DO NOT USE DRY EXTINGUISHERS CONTAINING AMMONIUM COMPOUNDS. Unusual Fire/Explosion Hazard:IN A FIRE INVOLVING THIS MATERIAL A SELF CONTAINED BREATHING APPARATUS (SCBA) IS REQUIRED AS WELL AS STANDARD FIRE PROTECTIVE CLOTHING.

## Accidental Release

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. STOP SOURCE OF SPILL. NOTIFY APPROPRIATE PERSONNEL. COLLECT SPILLED MATERIAL IN CLEAN, DRY CONTAINER AND REMOVE TO WELL VENTILATED AREA. DO NOT SEAL TIGHTLY. ADVISE LOCAL AUTHORITIES OF ANY CONTAMINATED WATER RELEASE.

Neutralizing Agent:NEUTRALIZE FOR DISPOSAL;CONTACT OCEAN AT 800-OLIN-911 BEFORE STARTING OPERATION.

## Handling

Handling and Storage Precautions:KEEP TIGHTLY SEALED, IN CLEAN AND ORGANIC RESIDUE FREE CONTAINERS. STORE IN COOL, DRY, WELL VENTILATED AREA, AT TEMPERATURES BELOW 125F (52C).

Other Precautions:STORE AWAY FROM ACIDS, OTHER OXIDIZERS, ORGANIC MATERIALS, AND ALL CORROSIVE LIQUIDS. SHELF LIFE LIMITATIONS ARE ABOUT 2-YEARS AT TEMPERATURES BELOW 125F (52C) AND LOW HUMIDITY.

## Exposure Controls

Respiratory Protection:WEAR NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:USE LOCAL EXHAUST VENTILATION TO MINIMIZE DUST AND CHLORINE LEVELS.

Protective Gloves:NEOPRENE, PVC

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:NEOPRENE OR PVC BOOTS, APRONS OR IMPERMEABLE SUIT TO AVOID SKIN CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

## Chemical Properties

HCC:D1

Decomp Temp:Decomp Text:350F/177C

Spec Gravity:BULK, 0.8 GM/CC

pH:11

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE FREE FLOWING POWDER. CHLORINE-LIKE ODOR.

## Stability

Stability Indicator/Materials to Avoid:YES

ACIDS, ORGANICS, NITROGEN COMPOUNDS, DRY POWDER FIRE EXT (CONTAINING MONO-AMMONIUM PHOSPHATE), CORROSIVE FLAM/COMBUS MATL

Stability Condition to Avoid:THIS PRODUCT MAY BE UNSTABLE AT TEMPERATURES ABOVE 350F/177C.

Hazardous Decomposition Products:CHLORINE GAS

Conditions to Avoid Polymerization:WILL NOT OCCUR.

## Disposal

Waste Disposal Methods:THIS PRODUCT'S EPA HAZARDOUS WASTE NUMBER IS "D001". IT MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS IN A PERMITTED HAZARDOUS WASTE TREATMENT, STORAGE AND DISPOSAL FACILITY BY TREATMENT.

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