

CALCIUM HYPOCHLORITE

MSDS Number

BHCJP

National Stock Number

6810-00-238-8115

Product Name

CALCIUM HYPOCHLORITE

Manufacturer

FISHER SCIENTIFIC CO CHEMICAL DIV

Product Identification

Product ID: CALCIUM HYPOCHLORITE

MSDS Date: 03/24/1993

FSC: 6810

NIIN: 00-238-8115

MSDS Number: BHCJP

Responsible Party

FISHER SCIENTIFIC CO CHEMICAL DIV.

1 REAGENT LANE

FAIR LAWN , NJ 07410

US

Emergency Phone: 201-796-7100/800-424-9300(CHEMTREC)

Info Phone: 201-796-7100/ FAX 201-796-7523

Cage: 1B464

Contractor

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

Ingredients

CALCIUM HYPOCHLORITE, HYDRATED ($\geq 5.5\%$ BUT

CAS: 22464-76-2

RTECS: NH3485500

Fraction By Weight: 90-94%

CALCIUM CHLORIDE

CAS: 10043-52-4

RTECS: EV9800000

Fraction By Weight:

CALCIUM HYPOCHLORATE

Fraction By Weight:

CALCIUM CARBONATE

CAS: 471-34-1

RTECS: FF9335000

Fraction By Weight:

OSHA PEL10 MG/M3

ACGIH TLV: 10 MG/M3

CALCIUM HYDROXIDE

CAS: 1305-62-0

RTECS: EW2800000

Fraction By Weight:

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 5 MG/M3; 9394

Hazards

LD50 LC50 Mixture:LD50 (ORAL 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:ACUTE:INGEST:EDEMA,CORR OF MOUTH/PHARYNX,LARYNX,STOMACH.EYE:SEVERE IRRIT, CORNEAL ULCERS. SKIN:CORROSIVE, SEVERE IRRIT.INHAL:SEVE IRRIT OF MUC MEMB OF RESP SYST. DAMAGE TO TEETH. PULM EDEMA, LARYNGITI S. CHRONIC:INFLAMM & ULCERATIVE CHANGESIN MOUTH. BRONCHIAL & GI DISTURBANCES. DERM. CONJ. ULCERRATIVE EFFECTS OF MUC ME

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHAL:COUGH,SORE THROAT,GINGIVITIS,SHORTNESS OF BREATH,LABORED BREATH,TIGHTNESS OF CHEST,DYSPNEA,FROTHY SPUTM,DIZZ,WEAK,RAPID PULSE,HYPOTENSION. SKIN:REDNESS,PAIN,DERM. EYE:REDNESS,PAIN,BLURRED VISION ,CORNEAL ULCERS. INGEST:EDEMA,SORE THROAT,ABD PAIN,VOMIT,GASTRITIS.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:INGEST:REMOVE BY GASTRIC LAVAGE OR EMESIS IF CONSCIOUS.GIVE OXYGEN IF RESP DEPRESSED.EYE:WASH W/LG AMTS OF WATER LIFTING EYELIDS @LEAST 15-20MINS.CONTINUE W/NORMAL SALINE TIL PH=NORMAL(30-60MIS).COVER W/STERILE BANDAGES.SKIN:REMOVE CONTAM CLOTH/SHOE.WASH W/SOAP OR MILD DETERGENT & LG AMTS OF WATER @LEAST 15-20MINS.COVER CHEM BURNS W/STERILE DRY DRESSING.INHAL:REMOVE TO FRESH AIR.GIVE CPR.SEEK MEDI

Fire Fighting

Flash Point:NONE

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:MATL DECOMPOSES IN HEAT TO YEILD OXYGEN/OTHER GASES INCREASING BURNING RATE OF COMBUSTIBLE MATL. CONTACT W/OXIDIZERS,ORG,COMBUST MATL RESULT IGNI/VIO COMBU/EXPL

Accidental Release

Spill Release Procedures:WIPE OR SOAK UP SMALL SPILLS WITH PAPER TOWEL OR INERT ABSORBANT. WASH AREA THOROUGHLY. DIKE TO RETAIN LARGE SPILLS. COVER TO PREVENT WATER CONTACT. REMOVE RESIDUE WITH INERT ABSORBANT. PLACE IN DISPO SAL CONTAINER. FLUSH AREA WITH WATER. Neutralizing Agent:SODA ASH, SODIUM BISULFITE FOR WATER SPILLS.

Handling

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT AND IGNITION SOURCES. KEEP CONTAINERS CLOSED. KEEP COMBUSTIBLE MATS. AWAY
Other Precautions:REACTION WITH FUELS MAY BE VIOLENT. FLAMMABLE POISONOUS GASES MAY ACCUMULATE IN TANKS AND HOPPER CARS. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARDS.

Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.
Ventilation:MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED.
Protective Gloves:RUBBER
Eye Protection:CHEM SAFETY GOGGLES, FACE SHIELDS.
Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
UPDATED RECORD.

Chemical Properties

HCC:D1
Melt/Freeze Pt:M.P/F.P Text:212F,100C
Decomp Temp:Decomp Text:212F,100C
Spec Gravity:2.35
Solubility in Water:DECOMPOSES
Appearance and Odor:WHITE GRANULES WITH A STRONG CHLORINE ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
WATER, ACIDS, ORGANIC MATERIALS.
Stability Condition to Avoid:ACCELERATED DECOMPOSITION W/EVOLUTION OF HEAT & RUPTURE OF CONTAINER. EXOTHERMIC RX W/WATER YIELDING CHLORINE GAS.
Hazardous Decomposition Products:OXYGEN AND TOXIC CHLORINE GAS.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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