

14163 LITHIUM HYDROXIDE

MSDS Number

BBFFT

National Stock Number

6810-00D001420

Product Name

14163 LITHIUM HYDROXIDE

Manufacturer

HACH CO USE CODE 4T252 PLEASE

Product Identification

Product ID:14163 LITHIUM HYDROXIDE

MSDS Date:02/25/1991

FSC:6810

NIIN:00D001420

MSDS Number: BBFFT

Responsible Party

HACH CO. USE CODE 4T252 PLEASE

100 DAYTON RD.

LOVELAND , CO 80539

US

Emergency Phone: 800-227-4224

Info Phone: 800-227-4224

Cage: EO105

Contractor

HACH CO. USE CODE 4T252 PLEASE

389

LOVELAND, CO 80539

US

800-227-4224

Cage: EO105

Ingredients

LITHIUM HYDROXIDE SOLUTION

CAS: 1310-65-2

RTECS: OJ6307070

Fraction By Weight: 100%

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 225 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: INHALATION- IRRITATION OF RESPIRATORY TRACT, BURNS TO MUCOUS MEMBRANES, CENTRAL NERVOUS SYSTEM DEREGION. EYES- IRRITATION, BURNS. SKIN- IRRITATION, BURNS. INGESTION- CENTRAL NERVOUS SYSTEM DEP REGION, BURNS TO MOUTH AND ESOPHAGUS. CHRONIC: KIDNEY DAMAGE, BONE MARROW DAMAGE (APLASTIC ANEMIA).

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: DIZZINESS, HEADACHE, COUGHING,

WHEEZING, CHEST PAIN. EYES: REDNESS, TEARING, BURNS. SKIN: REDNESS, RASH, BURNS. INGESTION: NAUSEA, VOMITING, DIZZINESS, STOMACH PAIN. Medical Cond Aggravated by Exposure:PREEXISTING RESPIRATORY DISEASES, SKIN DISORDERS, EYE CONDITIONS.

First Aid

First Aid:INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. SKIN: FLUSH WITH WATER; REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. SEE DOCTOR. EYES: FLUSH WITH WATER FOR 15 MINUTES. SEE DOCTOR. I NGESTION: DO NOT INDUCE VOMITING! GIVE 1-2 GLASSES OF WATER TO CONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Flash Point:NONE
Extinguishing Media:DRY CHEMICAL, ALCOHOL FOAM, OR CARBON DIOXIDE
Fire Fighting Procedures:WEAR USE NIOSH/MSHA APPROVED RESPIRATOR AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:MAY EMIT TOXIC OR IRRITATING FUMES IN FIRE OR ON CONTACT WITH ACIDS.

Accidental Release

Spill Release Procedures:CONTAIN SPILL. NEUTRALIZE. SCOOP MATERIAL INTO CONTAINER FOR DISPOSAL. MOP FLOOR WITH WATER AND SOAP/CLEANER.
Neutralizing Agent:5 % ACETIC ACID.

Handling

Handling and Storage Precautions:KEEP AWAY FROM ACIDS. WEAR PROPER PROTECTIVE CLOTHING.
Other Precautions:DO NOT BREATHE DUST. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

Exposure Controls

Respiratory Protection:NONE NORMALLY REQUIRED. IF PEL/TLV EXCEEDED USE NIOSH/MSHA APPROVED RESPIRATOR WITH DUST/MISTS CARTRIDGE.
Ventilation:USE ADEQUATE LOCAL VENTILATION (FUME HOOD).
Protective Gloves:PVC AND NEOPRENE
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES
Other Protective Equipment:CLOTHING TO PREVENT PROLONGED OR REPEATED CONTACT. EYE WASH STATION & SAFETY SHOWER.
Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.
Supplemental Safety and Health
LD50 FOR SODIUM HYDROXIDE IS 40MG/KG. THIS CALCULATES TO BE 50GM/KG FOR THE MIXTURE.

Chemical Properties

HCC:B3
Melt/Freeze Pt:M.P/F.P Text:880F,471C
Spec Gravity:2.54
pH:>11
Solubility in Water:APPRECIABLE
Appearance and Odor:WHITE POWDER WITH SUFFOCATING ODOR
Corrosion Rate:.23(AL)

Stability

Stability Indicator/Materials to Avoid:YES
STRONG MINERAL ACIDS, METALS, COMBUSTIBLES, AND WATER.
Stability Condition to Avoid:CONTACT WITH INCOMPATIBLES, EXTREME TEMPREATURES AND MOISTURE.
Hazardous Decomposition Products:OXIDES OF LITHIUM

Disposal

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

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