

14163-69 LITHIUM HYDROXIDE

MSDS Number

BBDPW

National Stock Number

6810-00D000958

Product Name

14163-69 LITHIUM HYDROXIDE

Manufacturer

HACH CO

Product Identification

Product ID:14163-69 LITHIUM HYDROXIDE

MSDS Date:02/25/1991

FSC:6810

NIIN:00D000958

MSDS Number: BBDPW

Responsible Party

HACH CO.

100 DAYTON RD.

AMES , IA 50010-6402

US

Emergency Phone: 515-232-2533

Info Phone: 800-227-4224

Cage: 4T252

Contractor

O & S SUPPLY INC.

1564

SUMTER, SC 29105

US

803-775-7323

Cage: 3N991

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. INGESTION: 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

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 (IN PILLOWS) 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 TEMPERATURES AND MOISTURE.
Hazardous Decomposition Products: OXIDES OF LITHIUM

Disposal

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

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.