

HACH CO. -- 14163 LITHIUM HYDROXIDE -- 6810-00-559-3261

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Product Identification
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Product ID:14163 LITHIUM HYDROXIDE

MSDS Date:02/25/1991

FSC:6810

NIIN:00-559-3261

MSDS Number: BMQDS

=== Responsible Party ===

Company Name:HACH CO.

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010-6402

Country:US

Info Phone Num:800-227-4224

Emergency Phone Num:515-232-2533

CAGE:4T252

=== Contract

or Identification ===

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Phone:800-227-4224

CAGE:4T252

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Composition/Information on Ingredients
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Ingred Name:LITHIUM HYDROXIDE SOLUTION

CAS:1310-65-2

RTECS #:OJ6307070

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

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Hazards Identification
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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 DEPRESSION. EYES- IRRITATION, BURNS. SKIN- IRRITATION, BURNS. INGESTION- CENTRAL NERVOUS SYSTEM DEPRESSION, 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 Conditions Aggravated by Exposure: PREEXISTING RESPIRATORY DISEASES, SKIN DISORDERS, EYE CONDITIONS.

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First Aid Measures
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First Aid: INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NEEDED. SKIN: FLUSH WITH WATER; REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER

R. 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.

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Fire Fighting Measures
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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.

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Accidental Release Measures
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Spill Release Procedures: CONTAIN SPILL. NEUTRALIZE. SCOOP MATERIAL INTO CONTAINER FOR DISPOSAL. MOP FLOOR WITH WATER AND SOAP/CLEANER.

Neutralizing Agent: 5 % ACETIC ACID.

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Handling and Storage
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Handling and Storage Precautions: KEEP AWAY FROM ACIDS. WEAR PROPER PROTECTIVE CLOTHING.

Other Precautions: DO NOT BREATHE DUST. AVOID CONTACT

CT WITH EYES, SKIN AND CLOTHING.

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===== Exposure Controls/Personal Protection =====

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

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===== Physical/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)

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===== Stability and Reactivity Data =====

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

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===== Disposal Considerations =====

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

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