

ALDRICH CHEMICAL CO INC. -- POTASSIUM HYDROXIDE 60369 -- 6810-00-234-8366

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Product Identification
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Product ID:POTASSIUM HYDROXIDE 60369

MSDS Date:04/01/1992

FSC:6810

NIIN:00-234-8366

MSDS Number: BJRCQ

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC.

Address:1001 W. ST. PAUL AVE

Box:2060

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Info Phone Num:414-273-3850

Emergency Pho

ne Num:800-231-8327

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Other REC Limits:NONE SPECIFIED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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==== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 273 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: EXTREMELY DESTRUCTIVE TO MUCOUS MEMBRANES. SKIN: HARMFUL IF ABSORBED THROUGH SKIN. INHALATION: MAY BE FATAL AS A RESULT OF SPASM, INFLAMATION AND EDEMA OF THE LARYNX AND BRONCHI.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT KNOWN TO BE

CARCINOGENIC.

Effects of Overexposure:BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN DISORDER, EYE DISORDERS, OR IMPARED RESPIRATORY FUNCTION SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

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===== First Aid Measures =====

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF

IRRITATION PERSISTS. INHALATION: REMOVE TO

FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION.

EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY.

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===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITI

ONS. DO NOT USE WATER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND

WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED PLACE. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. VERY HYGROSCOPIC. USE ONLY IN A CHEMICAL FUME HOOD.
Other Precautions:SPILLAGE CAN BE SLIPPERY. MATERIAL ABSORBS MOISTURE AND CARBON DIOXIDE FROM THE AIR.

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Exposure Controls/P
ersonal Protection
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Respiratory Protection:NOT NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR FOR HANDLING MIST IF PROLONGED CONTACT WITH MATERIAL.
Ventilation:ADEQUATE ROOM VENTILATION SUFFICIENT TO MEET TLV.
Protective Gloves:NEOPRENE OR RUBBER GLOVES
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:EYE WASH. CHEMICAL APRON IS RECOMMENDED. FULL RUBBER BOOTS RECOMMENDED. DO NOT WEAR THIN RUBBER COVERS OVER LEATHER SHOE
Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT. WASH SKIN AFTER USING PRODUCT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

Supplemental Safety and Health
CORROSIVE LIQUID - AVOID CONTACT. CONTACT LENSES SHOULD NOT BE WORN WHEN DEALING WITH THIS PRODUCT. KEEP EYE WASH AND QUICK DRENCH SHOWER FACILITIES AVAILABLE WHEN WORKING WITHN THIS MATERIAL.
DANGER: UNDER FIRE CONDITIONS MATERIAL WILL MELT AND FLOW. MOLTEN MATERIAL REACTS VIOLENTLY WITH WATER.

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Physical/Ch
emical Properties
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HCC:B1
Melt/Freeze Pt:=-361.1C, 682.F
Vapor Pres:1 @ 719C
Spec Gravity:2.044
Solubility in Water:COMPLETE
Appearance and Odor:WHITE PELLETS.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES
ACIDS, ACID HALIDES, ACID ANHYDRIDES, MAGNESIUM, ALUMINUM, COPPER.
Stability Condition to Avoid:EXTREMELY HIGH TEMPERATURES, MOISTURE
Hazardous Decomposition Products:NATURE OF DECOMPOSITION PRODUCTS NOT

KNOWN.

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

Waste Disposal Methods:FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE STIRRED EXCESS OF WATER. ADJUST THE PH TO NEUTRAL. FLUSH THE AQUEOUS SOLUTION DOWN THE DRAIN WITH PLENTY OF WATER. OBSERVE ALL FEDERAL, STATE AND LOCAL LAWS.

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