

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

===== Product Identification =====

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

===== Composition/Information on Ingredients =====

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.

==== 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.

==== 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

==== 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.

===== Handling and Storage =====

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.

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

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 WITHIN THIS MATERIAL.  
DANGER: UNDER FIRE CONDITIONS MATERIAL WILL MELT AND FLOW. MOLTEN MATERIAL REACTS VIOLENTLY WITH WATER.

===== Physical/Chemical Properties =====

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.

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

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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