

ALLIED CHEMICAL CORP,GENERAL CHEMICAL DIVISION -- POTASSIUM HYDROXIDE SOLUTION,45% -- 6810-00-850-7787

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

Product ID:POTASSIUM HYDROXIDE SOLUTION,45%

MSDS Date:10/01/1986

FSC:6810

NIIN:00-850-7787

MSDS Number: BTKRX

=== Responsible Party ===

Company Name:ALLIED CHEMICAL CORP,GENERAL CHEMICAL DIVISION

Address:CN 1829

City:MORRISTOWN

State:NJ

ZIP:07960-1829

Country:U

S

Info Phone Num:201-455-5630

Emergency Phone Num:201-455-3700

Preparer's Name:DIR.ENVIRONMENTAL AFFAIRS

CAGE:25464

=== Contractor Identification ===

Company Name:ALLIED CHEMICAL CORP,GENERAL CHEMICAL DIVISION

Address:CN 1829

Box:City:MORRISTOWN

State:NJ

ZIP:07960-1829

Country:US

Phone:201-455-5630

CAGE:25464

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

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 45%

Other REC Limits:NONE

RECOMMENDED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 365 MG/KG.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HARMFUL IF SWALLOWED, IN  
HALED,  
OR ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO  
TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES  
AND SKIN. INHALATION MAY BE FATAL AS A RESULT OF SPASM,  
INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL  
PNEUMONITIS AND PULMONARY EDEMA.  
Explanation of Carcinogenicity:POTASSIUM HYDROXIDE IS NOT LISTED BY  
IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:MAY INCLUDE BURNING SENSATION, COUGHING,  
WHEEZING, LARYNGITI  
S, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND  
VOMITING.  
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.  
GET IMMEDIATE MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY  
OF WATER FOR 15 MINUTES H  
OLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL  
AT TENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND  
WATER. GET MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING.  
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL  
ATTENTION.

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

Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A

FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:COVER SPILL WITH SOLID NEUTRALIZER OR ABSORBER. PUT NEUTRALIZED MATERIAL IN LINED DISPOSAL CONTAINER. FLUSH RESIDUE WITH WATER.

Neutralizing Agent:BORIC ACID, DILUTE ACETIC ACID.

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

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. FOR USE AS AN ELECTROLYTE IN NICKEL-CADMIUM BATTERIES ONLY.

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

Respiratory Protection:NONE REQUIRED. ALWAYS USE NIOSH/MSHA APPROVED RESPIRATORS WHEN REQUIRED.

Ventilation:NONE REQUIRED.

Protective Gloves:NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER. INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. THIS MSDS APPLIES TO MATERIAL IN SOLUTION. SOLID MATERIAL IS AN INHALATION HAZARD IN THE FORM OF DUST AND REQUIRES MECHANICAL VENTILATION AND USE OF NIOSH/MSHA APPROVED RESPIRATOR.

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

HCC:B1

Boiling Pt.=133.C, 271.4F

Melt/Freeze Pt.=10.C, 50.F

Spec Gravity:1.46

pH:13.5

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID,VISCOUS;CLEAR,CO

LORLESS;ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE  
STIRRED EXCESS OF WATER. ADJUST THE PH TO NEUTRAL, SEPARATE OUT  
SOLIDS AND

PACKAGED FOR DISPOSAL. DISPOSAL SHOULD BE MADE IN  
ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND  
REGULATIONS.

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