

FISHER SCIENTIFIC, CHEMICAL DIV. -- POTASSIUM HYDROXIDE 1 N AND 0.1 MEQ,DCA-307 --
6810-01-118-2613

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

Product ID:POTASSIUM HYDROXIDE 1 N AND 0.1 MEQ,DCA-307

MSDS Date:02/27/1992

FSC:6810

NIIN:01-118-2613

MSDS Number: BGMNZ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Inf

o Phone Num:201-796-7100 OR 201-796-7523

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

Company Name:GERIN CORP

Address:1109 SEVENTH AVE

Box:City:NEPTUNE

State:NJ

ZIP:07753-5143

Country:US

Phone:908-774-3256

CAGE:96009

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

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Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 0.1-5.8%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

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 273 MG/KG

Routes of Entry: Inhalation:NO Skin:NO Ingestion

:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE- MAY CAUSE SEVERE BURNS ON

CONTACT WITH ANY BODY TISSUE. DEEP ULCERATION MAY RESULT. CAN DAMAGE EYES SEVERELY RESULTING IN BLINDNESS. BREATHING MISTS/FUMES IS HIGHLY CORROSIVE & MAY CAUSE PULMONARY EDEMA. ORAL:BURNS, ULCERATION, PAIN.CHRONIC- MAY CAUSE INFLAMMATION, ULCERATION, GI DISTURBANCES & DERMATITIS.

Effects of Overexposure:INHALATION OF VAPORS OR MISTS MAY CAUSE RESPI

RATORY TRACT IRRITATION, COUGHING, CHEST PAIN, TIGHTNESS IN CHEST, FROTHY SPUTUM, CYANOSIS. INGESTION CAN BURN MOUTH, THROAT, STOMACH. CONTACT WITH EYES CAN CAUSE SEVERE IRRITATION, PAIN, BURNS.SKIN CONTACT MAY CAUSE SEVERE IRRITATION, ULCERATION AND BURNS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND EYE DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY

DIATELY. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED. ORAL:IF CONSCIOUS, DRINK WATER/MILK. INDUCE VOMITING. AVOID GASTRIC LAVAGE/EMETICS. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A SELF CONTAINED BREATHING APPARATUS IF NEEDED.
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

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

Spill Release Procedures:DO NOT TOUCH SPILLED MATERIAL. TAKE UP WITH SAND OR OTHER ADSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL.
Neutralizing Agent:WEAK ACID

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINER AWAY FROM INCOMPATIBLE MATERIALS.
Other Precautions:CAUTION. CORROSIVE. DO NOT BREATHE MISTS/VAPOR. KEEP AWAY FROM ACIDS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. KEEP AWAY FROM REACH OF CHILDREN.

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

Respiratory Protection:NIOSH APPROVED SUPPLIED AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS MAY BE WORN IF NEEDED.
Ventilation:ADEQUATE
Protective Gloves:NITRILE, PLASTIC
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING SHOULD BE WORN TO PREVENT SKIN CONTACT.EYE WASH AND SAFETY EQUIPMENT SHOULD BE AVAILABLE.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.
Supplemental Safety and Health

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

HCC:B1
Boiling Pt:B.P

. Text:NOT KNOWN
Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN
Vapor Pres:NOT KNOWN
Vapor Density:NOT KNOWN
Spec Gravity:1.3
Evaporation Rate & Reference:NOT KNOWN
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES
ACIDS, ALCOHOLS, HALOGENATED HYDROCARBONS, METALS, PHOSPHORUS,
POTASSIUM PERMANGANATE, SUGAR, WATER,POTASSIUM PERSULFATE
Stability Condition to Avoid:EXCESSIVE HEAT
Hazardous Decomposition Products:MAY FORM CORROSIVE FUMES OF POTASSIUM
OXIDE.

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

Waste Disposal Methods:WASTE DISPOSAL TO BE PERFORMED IN COMPLIANCE
WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

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