

FISHER SCIENTIFIC CO -- POTASSIUM HYDROXIDE (DRY SOLID,FLAKE,BEAD O -- 6810-00-234-8366

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

Product ID:POTASSIUM HYDROXIDE (DRY SOLID,FLAKE,BEAD O

MSDS Date:03/22/1989

FSC:6810

NIIN:00-234-8366

MSDS Number: BLZFC

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:201-796-

7100

Emergency Phone Num:201-796-7100, CHEMTREC 800-424-9300

CAGE:22527

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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

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

Ingred Name:POTASSIUM HYDROXI

DE
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 100.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9091
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 365 MG/KG (SOLUTION)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CORROSIVE LIQUID WILL BURN EYES/SKIN/
RESPIRAT
ORY TRACT. CAN CAUSE BLINDNESS. CAUSES DESTRUCTIVE TISSUE
DAMAGE AND SCARRING. MAY LEAD TO SKIN DERMATITIS. INGESTION OF
LIQUID OR SOLID CAUSE SEVERE BURN ING AND IRRITATION TO MUCOUS
MEMBRANES, MOUTH, THROAT AND GASTROINTESTINAL TRACT. CAN CAUSE
SEVERE PNEUMONITIS.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT KNOWN TO BE
CARCINOGENIC.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO RESPIRATORY
IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, UNCONSCIOUSNESS,

DERMATITIS AND EYE IRRITATION, BURNS AND PAIN. INGESTION MAY RESULT
IN ASTHMA-LIKE REACTIONS (WH EEZING, COUGHING AND SHORTNESS OF
BREATH). SKIN BURNS.

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 ATTEN

TION 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:DRINK WATER/MILK TO
DILUTE. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF
UNCONSCIOUS.CALL DOCTOR

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

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL AS APPRO

APPROPRIATE FOR SURROUNDINGS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

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

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

Spill Release Procedures:SOLID CAN BE PICKED UP WITH A SHOVEL INTO A DRUM FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT. FOR LIQUID-CONTAIN SPILL AND VACUUM LIQUID. DO NOT ALLOW RUNOFF TO A SEWER UNLESS MATERIAL IS DILUTED AND NEUTRALIZED WITH DILUTE ACID SOLUTION.
Neutralizing Agent:5% ACETIC ACID (VINEGAR)

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTILATED WORK AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. PLACE STORAGE TANKS IN A DIKED CONTAINMENT AREA.
Other Precautions:SPILLAGE CAN BE SLIPPERY. MATERIAL ABSORBS MOISTURE AND CO2 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:NO CONTACTS. USE 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 WITH THIS MATERIAL.

===== Physical/Chem

ical Properties =====

HCC:B1

Boiling Pt:B.P. Text:2408F,1320C

Melt/Freeze Pt:M.P/F.P Text:681F,361C

Spec Gravity:2.04

Solubility in Water:COMPLETE

Appearance and Odor:WHITE PELLETS, RODS, OR FLAKES.

===== 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:LIBERA

TES FLAMMABLE HYDROGEN GAS ON

CONTACT WITH ACTIVE METALS SUCH AS ZN,AL,SN.

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

Waste Disposal Methods:WASTE DILUTED AND NEUTRALIZED LIQUID COULD BE FLUSHED TO A WASTE WATER TREATMENT SYSTEM VIA THE SEWER OR GIVEN TO A LICENSED DISPOSAL CONTRACTOR. CONFORM TO ALL APPLICABLE REGULATIONS. UNDILUTED MATERIAL IS A RCRA HAZARDOUS WASTE (CODE = D002).

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.