

POTASSIUM HYDROXIDE

MSDS Number

BXCDX

National Stock Number

6810-00-136-6000

Product Name

POTASSIUM HYDROXIDE

Manufacturer

WARD'S NATURAL SCIENCE

Product Identification

Product ID:POTASSIUM HYDROXIDE

MSDS Date:09/29/1992

FSC:6810

NIIN:00-136-6000

MSDS Number: BXCDX

Responsible Party

WARD'S NATURAL SCIENCE

ROCHESTER , NY 14692-9012

US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 716-359-2502

Preparer: ALEXANDER A. PICCIRILLI

Cage: EO227

Contractor

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

Ingredients

POTASSIUM HYDROXIDE (SARA III)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight: 100%

OSHA PELC 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:TWA:2MG/M3 AIR

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INGEST:POISON.MAY RESULT IN SEVERE

INTESTINAL IRRIT W/BURNS TO MOUTH. SKIN/EYES:CONTACT W/SKIN/EYES
MAY CAUSE SEVERE IRRIT OR BURNS. INHAL:DUST VERY IRRITATING TO
UPPER RESP TRACT. MAIN EFFECT. TISSUE DAMAGE.
Effects of Overexposure:POISON. SEVERE INTESTINAL IRRITATION W/BURNS TO
MOUTH. SEVERE EYE/SKIN IRRITATION/BURNS. IRRITATING TO UPPER RESP
TRACT. TISSUE DAMAGE.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INGEST:DO NOT INDUCE VOMIT.IF CONSC GIVE LG AMTS OF
WATER.CALL DR IMMED.NEVER GIVE ANYTHING BY MOUTH IF
UNCONSC.EYES:IMMED FLUSH W/LG AMTS OF WATER FOR 15MINS LIFTING
EYELIDS.GET PROMPT MED ATTN.SKIN: FLOOD W/WATER THEN WASH
W/VINEGAR.INHAL:REMOVE TO FRESH AIR.IF IRRIT/ILLNESS OCCURS GET MED
ATTN.

Fire Fighting

Flash Point:NON-FLAMMABLE
Extinguishing Media:USE WATER ON FIRE INVOLVING THIS MATERIAL.
Fire Fighting Procedures:WEAR NIOSH APPROVED SCBA & FULL PROT
CLOTH.MUST INCLUDE COMPLETE EYE PROT.FLOOD W/WATER USING CARE NOT
TO SPLATTER/SPLASH MATL.CONTACT W/WATER PRODUCES (SUPPLE)
Unusual Fire/Explosion Hazard:NOT COMBUST BUT SOLID FORM IN CONTACT
W/MOISTURE/WATER MAY GENERATE SUFFICIENT HEAT TO IGN COMBUST
MATLS.COTNACT W/SOME METALS CAN GENERATE HYDROGEN GAS.(SUPPL)

Accidental Release

Spill Release Procedures:CAREFULLY & WEARING PROTECTIVE CLOTHING SWEEP
UP & PLACE IN SUITABLE CNTNR. FLUSH SPILL AREA W/WATER RINSE
W/DILUTE ACID, PREFERABLY ACETIC & FINALLY W/WATER.
Neutralizing Agent:SODIUM BISULFATE.

Handling

Handling and Storage Precautions:KEEP CNTNR TIGHTLY CLSD.STORE IN COOL
DRY PLACE;PROTECT AGAINST MOISTURE/WATER.SEPARATE FROM
ACIDS/METALS/EXPLOSIVES/ORG PEROXIDES & EASILY IGN MATLS.
Other Precautions:READ LABEL ONCNTNR BEF USING.DONOT WEAR CONTACT
LENSES WHEN SORKING W/CHEM.PROD IS DELIQUESCENT;ABSORBS WATER & CO2
FRM AIR.KOH & TRICHLOROETHYLENE ARE ESPECIALLY HAZ SINCE REACT TO
FROM SPONT FLAMM D ICHLOROACETYLENE.FOR LAB USE ONLY.

Exposure Controls

Respiratory Protection:NONE NEEDED IN NORMAL LABORATORY HANDLING. IF
DUSTY CONDITONS PREVAIL WORK IN VENTILATION HOOD OR WEAR
NIOSH-APPROVED DUST MASK OR RESPIRATOR.
Ventilation:LOCAL EXHAUST/MECHANICAL (GENERAL):RECOMMENDED.
Protective Gloves:RUBBER GLOVES
Eye Protection:CHEMICAL SAFETY GLASSES OR FACESHIELD
Other Protective Equipment:GOGGLES,LAB COAT,APRON,EYEWASH
STATION,VENTILATION HOOD,PROPER GLOVES.
Work Hygienic Practices:WASH WELL AFT HANDLING.REMOVE & WASTH CONTAMIN
CLOTH.KEEP OUT OF REACH OF CHILDREN.NOT FOR DRUG/FOOD/HOUSEHOLD
USE.
Supplemental Safety and Health
FIREFIGHTING:INTENSE HEAT/HIGHLY IRRIT/CORR MIST.EXPLO/FIRE
HAZ:HOT/MOLTEN MATL WILL REACT VIOLENTLY W/WATER LIBERATING
HEAT/CAUSING SPLASHING.SEVERE EYE HAZ;SOLID/CONC SOLN DESTROYS
TISSUE ON CONTACT .DISPOSAL:VIOLENT SPATTERING.NEUTRALIZEW/SODIUM
BISULFATE.FLUSH TO SEWER W/COPIOUS AMTS OF WATER.

Chemical Properties

HCC:B1
Boiling Pt:B.P. Text:2408F,1320C
Melt/Freeze Pt:M.P/F.P Text:716F,380C
Vapor Pres:1 @719C
Spec Gravity:2.044 @25C
Evaporation Rate & Reference:NON-VOLATILE

Solubility in Water:110G/100ML WATER
Appearance and Odor:NEAR WHITE PELLETS OR FLAKES; NO ODOR
Percent Volatiles by Volume:NONVOL

Stability

Stability Indicator/Materials to Avoid:YES
WATER CAN REACT VIOLENTLY W/ACIDS & W/MANY ORG CMPDS,MOST COMMON METALS
(ZN, AL, SN, PB,ETC)LIBERATING FLAMM HYDROGEN.
Stability Condition to Avoid:MOISTURE, ACIDS & ACID FUMES.
Hazardous Decomposition Products:REACTION W/VARIOUS FOOD SUGARS MAY
FORM CARBON MONOXIDE.

Disposal

Waste Disposal Methods:DISCHARGE/TREATMENT/DISPOSAL MAY BE SUBJECT TO
FED/STATE/LOC LAWS.THESE DISPOSAL GUIDELINES ARE INTENDED FOR
DISPOSAL OF CATALOG-SIZE QUANT ONLY.SLOWLY DISSOLVE SPILL IN
WWTER.WHILE MAKING SOLN ADD SLOWLY TO SURFACE OF STIRRED LIQ TO
AVOID(SUPPLEMENT)

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