

CHEM ONE CORP -- POTASSIUM HYDROXIDE -- 6810-00-597-7150

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

Product ID:POTASSIUM HYDROXIDE

MSDS Date:04/23/1997

FSC:6810

NIIN:00-597-7150

MSDS Number: CFYMN

=== Responsible Party ===

Company Name:CHEM ONE CORP

Address:15150 SOMMERMEYER

City:HOUSTON

State:TX

ZIP:77041

Country:US

Info Phone Num:713-896-9966

Emergency Phone Num:713-896-9966/800-424-9300(CHEMTREC)

CAGE

:0YSB8

=== Contractor Identification ===

Company Name:BARTLETT CHEMICALS

Address:4955 RIVER ROAD

Box:10710

City:JEFFERSON

State:LA

ZIP:70121

Country:US

Phone:504-734-1971

CAGE:1V771

Company Name:CHEM ONE CORP

Address:15150 SOMMERMEYER

Box:City:HOUSTON

State:TX

ZIP:77041-5308

Country:US

Phone:713-896-9966

CAGE:0YSB8

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:5005 LYNDON B JOHNSON FWY

Box:City:DALLAS

State:TX

ZIP:75244-6198

Country:US

Phone:800-752-5151/972-404-3800

CAGE:0AH54

=====

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

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 88 - 90%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

==== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) 273 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSH

A:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE. EYES:CAUSES SEVERE BURNS, EYE DAMAGE. SKIN:CAUSES BURNS, DEEP ULCER, POSSIBLY DEATH. INHALE:MAY CAUSE RESPIRATORY TRACT IRRITATION. ORAL:CAUSES SEVERE PAIN BY BURNING MOUTH, THROAT, ESOPHAGUS & STOMACH. MAY CAUSE DEATH. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE BURNS, SEVERE IRRITATION, SEVERE PAIN, NAUSEA, VOMITING, DIARRH

EA, DEEP SKIN ULCERS, COUGHING, BREATHING

DIFFICULTY, SHOCK, POSSIBLY COMA, DEATH, SNEEZING, BLINDNESS

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET IMMEDIATE MEDICAL HELP. EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. NEUTRALIZE

EXPOSED SKIN WITH DILUTE BORIC/ACETIC ACID. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE OUT MOUTH WITH WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

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 PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. WATER CAN BE USED TO EXTINGUISH FIRE AS LONG AS DOES NOT COME IN CONTACT W KOH.

Unusual Fire/Explosion Hazard: DIRECT CONTACT WITH MOISTURE OR WATER CAN CAUSE VIOLENT EXOTHERMIC REACTION GENERATING SUFFICIENT HEAT TO IGNITE NEARBY COMBUSTIBLE MATERIALS.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENTS. VACCUM OR SWEEP UP AND PLACE IN APPROVED CONTAINERS FOR DISPOSAL OR REUSE. AVOID GENERATING DUSTY CONDITIONS. NEUTRALIZE REMAINING TRACES OF MATERIAL WITH ACID. WASH SPILL AREA WITH WATER TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent: DILUTE INORGANIC ACID (SULFURIC, HYDROCHLORIC, PHOSPHORIC, NITRIC ACIDS).

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

Handling and Storage

Precautions: STORE IN TIGHTLY CLOSED CONTAINER, IN DRY PLACE AWAY FROM FLAMMABLE AND INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: USE WITH ADEQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST, MIST OR FUMES. WASH THOROUGHLY AFTER HANDLING. CAUTION! EMPTY CONTAINER RETAINS RESIDUE. DO NOT ALLOW WATER CONTACT KOH.

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

Respiratory

Protection: IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW TLV, A NIOSH-APPROVED RESPIRATOR FOR CORROSIVE DUST/MIST MUST BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves: RUBBER, PVC

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES

Other Protective Equipment: RUBBER BOOTS, RUBBER APRON, EYE WASH FOUNTAIN,

**SAFETY SHOWER**

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

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

HCC:B1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=1320.C, 2408.F

Melt/Freeze Pt:=360.C, 680.F

Vapor Pres:0 @ 68F

Spec Gravity:2.044

pH:13

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:107%

@ 15C/59F

Appearance and Odor:WHITE HYGROSCOPIC SOLID/PELLET - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

WATER, ACIDS, METAL, ORGANOHALOGEN COMPOUNDS

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISCHARGE, TREATMENT/DISPOSAL IS SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS. NEUTRALIZED SOLUTION MAY BE

FLUSHED DOWN THE DRAIN WITH EXCESS WATER, IF PERMITTED.

REUSING/RECYCLING IS RECOMMENDED. EPA HAZARDOUS WASTE NUMBERS: D002 AND D003.

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 t

his  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.