

OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM -- CAUSTIC POTASH-LIQUID (ALL GRADES) -- 6810-00-850-7787

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

Product ID:CAUSTIC POTASH-LIQUID (ALL GRADES)

MSDS Date:12/30/1993

FSC:6810

NIIN:00-850-7787

MSDS Number: CBSCH

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:D

ALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:800-752-5151

Emergency Phone Num:716-278-7021/800-733-3665

CAGE:4R332

=== Contractor Identification ===

Company Name:AMERICAN DEVELOPMENT CORP

Address:1456 STATE CAMP ROAD

Box:385

City:VANCEBORO

State:NC

ZIP:28586

Country:US

Phone:919-244-0782

CAGE:3J729

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

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

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 100%

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:ACUTE ORAL LD50 (RAT)= 365MG/KG

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

Reports of Carcinogenicity:NTP:NO IARC:N

O OSHA:NO

Health Hazards Acute and Chronic:INHAL:AIRBORNE CONC MIST/SPRAY DMG TO UPPER RESP TRACT,LUNG TISSUE PROPER WHICH COULD PRODUCE CHEM PNEUMONIA.SKIN:DESTRUCTIVE TO TISSUES,SEVERE BURNS.LATENT PERIOD EXIST BETWEEN EXPO & IRRIT.EYE:DESTRUCTIVE TO TISSUES,SEVERE BURNS RESULTINGEYE DMG(BLINDNESS).INGEST:SEVERE BURNS,COMPLETE TISSUE PERFORATION OF MUC(SUPP)

Explanation of Carcinogenicity:PER MSDS:NOT LISTED AS CARCINOGEN:IARC/NTP/OSHA.

Effects of Overexposure:REGARDLESS OF CONC SEVERITY OF DMG/EXTENT OF

ITS IRREVERSIBLE INCR W/LENGTH OF CONTACT TIME.PROLONG CONTACT W/EVEN

DILUTE SOLN(= />2.0%)CAN CAUSE HIGH DEGREE OF TISSUE DESTRUCTION.LATENT PERIOD FOLLOWING SKIN CONTACT DURING WHICH

NO SENS OF IRRITATION OCCURS ALSO Varies W/CONC.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE:FLUSH IMMEDIATE W/LG AMTS OF WATER FOR @LEAST 15MINS,HOLD EYELIDS APART

T.GET MED ATTENTION IMMEDIATE.SKIN:IMMEDIATE WASH W/PLENTY OF WATER

FOR @LEAST 15MINS.REMOVE CONTAMINATED CLOTH/FOOTWEAR.GET MED ATTENTION IMMEDIATE.INHAL: REMOVE TO FRESH AIR.BREATH DIFFICULT HAVE TRAINED PERSON GIVE OXY.RESPIR STOP GIVE MOUTH-TO-MOUTH RESUSCITATION.GET MED

ATTENTION.INGEST:NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.DO NOT INDUCE VOMIT.GIVE LG QUANT (SUPPLY)

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONFLAMMABLE

Lower Limits:

NA

Upper Limits:NA

Extinguishing Media:NOT COMBUSTIBLE.WATERSPRAY,FOAM,CARBON DIOXIDE,DRY
CHEMICAL MAY BE SUED IN AREAS WHERE THIS PRODUCT IS STORED.

Fire Fighting Procedures:AVOID DIRECT PROD CONTACT W/WATER SINCE CAN
CASUE VIOLENT EXOTHERMIC RX.PROT CLOTH/PRESSURE DEMAND SCBA SHOULD
BE WORN BY FIREFIGHTERS IN AREAS WEHRE PROD STORE

Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:STOP LEAK/CONTAIN/CLE

ANUP IMMED.REMOVE W/VAC

TRUCK.NEUTRLA TRACES W/DIL INORG ACID.FLUSH W/WATER/LIBERAL
COVERING OF SODIUM BICARBONATE.SPILL ON DIRT/SAND/ETC REMOVE/PLACE
IN CNTNR.WEAR PPE.REPORT REL EASES TO AUTHORITIES.

Neutralizing Agent:INORG

ACID-HYDROCHLORIC,SULFURIC,NITRIC,PHOSPHORIC,ACETIC ACID.SODIUM
BICARBONAT

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

Handling and Storage Precautions:DON'T GET IN EYE/SKIN/CLOTH.AVOID
BREATHD UST/MIST/SPRAY.DON'T TAKE INT
ERNALLY.USE W/ADEQU VENT/RESP
PROT.WEAR PPE.KEEP CNTNR CLSD.OSHA 2CFR110.1200.

Other

Precautions:10%/20%/30%/45%/47%/48%/50%CONC:BPT(C):102/104/113/133/
138/138/143;FREEZPT(C):-8/-23/-89/-29/-12/-2/4;SPEC
GRAV:1.09/1.18/1.29/1.45/1.48/1.49/1.52.ADD SLOWLY TO H2O/ACIDS
W/DIL/AGIT TO AVOID VIOL EXO RX.CO FORM W/CONTACT W/REDUCE
SURGAR(SU)

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

Respiratory Protection:RESP PROTECTION NOT REQUIRED UNDER NORMAL

USE.USE NIOSH/MSHA APPROVED RESP FOLLOWING MFG'S RECOMMENDATIONS
WHERE DUST/MIST/SPRAY MAY BE GENERATED.

Ventilation:SPEC VENTI NOT REQUIRED UNDER NORMAL USE.USE LOC EXHAU
VENTI WHERE MIST/SPRAY GENERATED.WHERE CO GENERATED SPEC VENT REQ

Protective Gloves:NAT,BUTYL RUB,NEOPRENE,NITRILE,PVC GLOVE

Eye Protection:CHEM SAF GOGG PLUS FACESHIELD FOR SPLASH

Other Protective Equipment:IMPERV PROT CLOTH,CHEM RESIST SAF
SHOES.EMERG SHOWER/EYEWASH FACILITY IN CLOSE PROXIMITY.

Work Hygienic P

practices:WASH CONTAM CLOTH BEF REUSE;DISCARD FOOTWEAR
WHICH CAN'T BE DECON.WASH GLOVES W/MILD SOAP/H2O TO DECON.WASH WELL
AFT HND

Supplemental Safety and Health

PH 12.0 FOR 0.01MOLES/LITER. HEALTH MEMBRANE OF
MOUTH/THROAT/ESOPHAGUS/STOMACH.CORR TO ALL BODY TISSUES.INCR
SUSCEPTIBILITY TO RESP ILLNESS. 1STAID:OF WATER.IF AVAILABLE GIVE
SEVERAL GLASSES OF MILK.V OMIT SPONT KEEP AIRWAY CLEAR.GET MED ATTN
IMMED. OTHPRECA:FOOD/BEV PROD IN ENCLSD SPACE,CAUSE DEATH.FOLLOW
APP
RO TK PROC

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

HCC:B1

Boiling Pt:B.P. Text:OTH PRECA

Melt/Freeze Pt:M.P/F.P Text:OTH PRECA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:OTH PRECA

pH:SUPPLE

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:COMPLETELY.

Appearance and Odor:CLEAR LIQUID W/NO DISTINCT ODOR.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

WATER.AL/SN/ZN/THEIR ALLOYS,STRONG ACIDS W/O

DILUTION/AGITATION.LEATHER,ORG HALOGEN CMPDS,ORG NITRO
CMPD,ACID,WOOL.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:SPILL CLEANUP HAZ WASTE.PGK/STORE/TRAPS/DISPO
IAW ALL APPLICABLE FED/STAET/LCO HEALTH/ENVIRO REGS.DISPO DEPENDS
ON NATRUE OR EACH

WASTE MATL.ENSURE ALL AGENCIES REC PROPER
NOTIFICATION OF SPILL/DISPO METHODS.

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