

OCCIDENTAL CHEMICAL CORP -- CAUSTIC POTASH-LOW SODIUM 45% -- 6140-01-255-3490  
===== Product Identification =====

Product ID:CAUSTIC POTASH-LOW SODIUM 45%

MSDS Date:05/30/1989

FSC:6140

NIIN:01-255-3490

MSDS Number: BQQJC

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORP

Address:OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:800-752-5151

Emergency

Phone Num:716-278-7021

CAGE:0AH54

=== Contractor Identification ===

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. (KOH, CAUSTIC POTASH). LD50 RAT ORAL  
365 MG/KG.

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 45%

Other REC Limits:N/K

OSHA PEL:2 MG/M3 C

ACGIH TLV:

2 MG/M3 C  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 55%  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:HNDLG/STOR PREC:WASH THORO AFTER HNDLG/CONT,BURNS MAY NOT  
BE IMMED VISIBLE/PAINFUL.KEEP CNTNR CLSD.CORR TO (SEE ING 4)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:ING 3:TIN, ALUMINUM, ZINC & THEIR ALLOYS, VIOLENT RXN W/  
THEM IN POWDER FORM. CARBON MONOXIDE CAN FORM O  
N CONT W/(ING 5)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:ING 4:REDUCING SUGARS, FOODS & BEVERAGES IN ENCLOSED SPACE  
& CAN BE FATAL. FOLLOW APPROPRIATE TANK ENTRY (INGRED 6)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:ING 5: PROCEDURE (ANSI Z117.1-1977). EMPTY & CLEAN  
CONTAINER BEFORE ADDING PRODUCT, MAY EXPLODE W/ UNKNOWN RESIDUE.  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred

Name:OTHER PREC:BOILING & SPATTERING & POSS IMMED VIOLENT  
ERUPTION OF HIGHLY CAUSTIC SOLN.POSS EXPLO RXN W/ ACID,(SEE ING 8)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:ING 7: ALDEHYDES, & MANY OTHER ORG CHEMS. FOLLOW ALL MIXING  
PRECAUT. ADD PROD VERY GRADUALLY. VENT:REQD IF (SEE ING 9)  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:ING 8:CO GENERATED.USE W/ ADEQ VENT.HYGIENE PRACT:CANNOT BE  
DECONTAMINATED.WASH  
& DRY CONTAM CLTHG BEFORE REUSE.  
RTECS #:9999999ZZ  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

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

LD50 LC50 Mixture:N/K  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CORROSIVE TO ALL BODY TISSUE. LOCAL  
EXPOSURE CONSISTS OF MULTIPLE AREAS OF SUPERFICIAL SKIN DESTRUCTIO  
Explanation of Carcinogenicity:NONE  
Effects of Overex  
posure:EYES:SEVERE BURNS,BLINDNESS.SKIN:IRRITANT  
DERMAT,SEVERE BURNS.LATENT PERIOD BETWEEN EXPOSURE & IRRIT MAY  
EXIST & VARY W/ CONC.INGESTION:POSS SEVERE BURNS AND PERFORATION OF  
MUCOUS MEMBRANES IN MOUTH,T HROAT,ESOPHAGUS &  
STOMACH.INHALATION:MIST/SPRAY MAY DAMAGE UPPER RESPIRATORY TRACT  
AND LUNGS W/ POSS CHEM PNEUMONITIS.  
Medical Cond Aggravated by Exposure:N/K

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

First Aid:EYES:IMMED FLUSH W/ LRG AMTS OF

H\*2O FOR 15 MIN.HOLD LIDS

OPEN.CALL MD IMMED.SKIN:WASH AREA W/ PLENTY OF H\*2O FOR 15 MIN.REMOVE CONTAM CLTHG & SHOES.CALL MD IMMED.INGEST:NEVER GIVE ANYTHING BY MOUTH I F UNCON.DO NOT INDUCE VOMIT.GIVE LRG QTIES OF H\*2O OR MILK.IF VOMIT OCCURS,KEEP AIRWAY CLEAR.CALL MD IMMED.INHAL:MOVE TO FRESH AIR.GIVE O\*2 IF BRTHG DFCLT.GIVE ARTF RESP IF BRTHG STOPPED.GET MED ATTN.

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

Flash Point:NONE

Extinguishing Med

ia:NOT COMBUSTIBLE.WATER SPRAY,FOAM,CARBON DIOXIDE OR

DRY CHEMICALS MAY BE USED IN AREAS WHERE THIS PRODUCT IS STORED.

Fire Fighting Procedures:USE NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA & FULL PROTECTIVE EQUIPMENT . AVOID DIRECT CONTACT OF PRODUCT W/ WATER, CAN CAUSE VIOLENT EXOTHERMIC REACTION

Unusual Fire/Explosion Hazard:DIRECT CONTACT WITH WATER OR ACIDS CAN CAUSE A VIOLENT EXOTHERMIC REACTION.

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

Spill Rel

ease Procedures:STOP LEAK.CONTAIN & CLEAN-UP SPILL

IMMED.REMOVE SPILL W/ VACUUM TRUCK.NEUT TRACES W/ DILUTE

HCL,H\*2SO\*4,HNO\*3,H\*3PO\*4,OR ACETIC ACID.FLUSH AREA W/ H\*2O.COVER W/ SODIUM BICARBONATE.PLACE CLEAN-UP MATLS & AFFECTED SOILS IN APPRVD CONTR.LABEL(SEE SUP)

Neutralizing Agent:DILUTE INORGANIC ACIDS LIKE

HYDROCHLORIC,SULFURIC,NITRIC,PHOSPHORIC & ACETIC.

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

Handling and Storage Precautions:DO NOT GET IN E

YES,ON SKIN OR

CLTHG.AVOID BRTHG DUST,MIST OR SPRAY.DO NOT INGEST.USE ADEQ VENT & RESP PROT WHERE DUST,MIST OR SPRAY POSS.(SEE ING 3)

Other Precautions:ALWAYS WEAR PROT CLTHG.WHEN MIXING,ADD KOH TO

80-100F,26.67-37.78 H\*2O.NEVER ADD H\*2O TO KOH.STIR CONSTANTLY TO

ASSURE ALL KOH DISSOLVES AS ADDED.IF KOH SETTLES IN BOTTOM OF VESSEL,MAY GENERATE EXCESS HEAT,RESULTING IN DANGEROUS (SEE ING 7)

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

Respiratory Prote

ction:NOT REQUIRED UNDER NORMAL USE.NIOSH/MSHA

APPROVED RESPIRATOR WHERE MIST,DUST OR SPRAY MAY BE GENERATED.

Ventilation:SPEC VENT NOT REQD UNDER NORMAL USE.USE LOCAL EXHST VENT IF MIST/SPRAY MAY BE GENERATED.SPEC VENT MAY BE (SEE INGRED 8)

Protective Gloves:NATRL OR BUTYL RUB,NEOPRENE,NITRILE,PVC.

Eye Protection:CHEM WORKERS GOGGLES & FULL FACE SHIELD.

Other Protective Equipment:WEAR IMPERVIOUS PROT CLTHG & CHEM RESIST SFTY SHOES FOR MIN CONT.EMER SHOWER & EYEBATHS IN ALL PROD HNDL

G

AREAS.

Work Hygienic Practices:IMMED WASH THORO AFTER HNDLG/CONT.DECONTAMINATE PROT EQUIP (GLOVES,CLTHG) W/ SOAP & H\*2O.DISCARD SHOES THAT (SEE ING 9)

Supplemental Safety and Health

SPEC GRAV:1.45 AT 15.6C,-9F,WATER=1.PH:12,0.01

MOLES/LITER.FP:-29C,-20F.SPILL PROC:PROPERLY & STORE FOR TREATMENT/DISP.REPORT SPILLS AS REQD TO APPROP REG

AUTHORITY.CAUTION:CAUSTIC POTASH MAY REACT VI OLENTLY W/ ACIDS & WATER.WEAR APPROP PROT EQUIP.WASTE DISP METH:HYDROXIDE FROM CNTNRS

BEFORE DISP BY APPRVD CONTRACTOR.

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

HCC:C2

Boiling Pt:B.P. Text:271F,133C

Melt/Freeze Pt:M.P/F.P Text:N/K

Decomp Temp:Decomp Text:N/K

Spec Gravity:SEE SUPP DATA

pH:SUP DA

Evaporation Rate & Reference:N/K

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ALUMINUM,TIN,ZINC & THEIR AL

LOYS,STRONG ACIDS,LEATHER, ORGANIC HALOGEN

& ORGANIC NITRO COMPOUNDS,WOOL,WATER.

Stability Condition to Avoid:N/K

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISP MUST BE IAW FED,STATE AND LOCAL REGS

.CLEAN-UP MATERIAL MAY BE CONSIDERED HAZ WASTE SUBJECT TO SPECIFIC REGS.SHIP RETURNABLE CNTNRS AS REC BY SUPPLIER.RETURN SHIPMENTS SHOULD COMPLY W/ FED, STATE & DOT REGS.REMOVE ALL POTASSIUM (SEE

SUPP)

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