

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

Emergen

cy 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 T

LV: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 FOR
M ON 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

Ing

red 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.W
ASH & 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 Ove
rexposure: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

Media: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

Release 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 I N EYES,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 Pr

Protection: 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 HNDLG AREAS.

Work Hygienic Practices: IMMED WASH THORO AFTER HNDLG/CONT. DECONTAMINATE PROT EQUIP (GLOVES, CLTHG) W/ SOAP & H₂O. 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 CNTNR 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 ALLOYS, 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 (S

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