

OCCIDENTAL CHEMICAL CORP, BASIC CHEMICALS GROUP -- CAUSTIC POTASH-COMMERCIAL
GRADE, 45% -- 6810-00-419-0634

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

Product ID:CAUSTIC POTASH-COMMERCIAL GRADE, 45%

MSDS Date:12/30/1993

FSC:6810

NIIN:00-419-0634

MSDS Number: BSVQB

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORP, BASIC CHEMICALS GROUP

Address:5005 LBJ FREEWAY

Box:809050

City:DALLAS

State:T

X

ZIP:75380

Country:US

Info Phone Num:800-752-5151

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

CAGE:0AH54

=== Contractor Identification ===

Company Name:OCCIDENTAL CHEMICAL CO DIV OF OCCIDENTA

CAGE:49332

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

Company Name:SILVER SALES

Address:5115 DOUGLAS FIR RD SUITE C

Box:City:CALABASES

State:CA

ZIP:91302

Country:US

Phone:818

-591-0788 WAS IN TX
CAGE:0WG65

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 45%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 FOR THIS PRODUCT IS 365MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
R
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:**CORROSIVE-THE LENGTH OF EXPOSURE
DETERMINES THE SEVERITY AND IRREVERSIBILITY OF TISSUE DAMAGE**
EYES:MAY CAUSE BURNS AND BLINDNESS.SKIN:MAY CAUSE
IRRITATION,DERMATITIS AND BURNS.INGEST:MAY CAUSE SEV ERE GI TRACT
IRRITATION.INHAL:MAY CAUSERESPIRATORY DAMAGE OR CHEMICAL PNEUMONIA.
Explanation of Carcinogenicity:POTASSIUM HYDROXIDE IS NOT LISTED AS A
CARCINOGEN BY NTP, IARC OR OSHA.
Effects of
Overexposure:SKIN:THERE IS A DELAY BETWEEN EXPOSURE AND A
SENSE OF IRRITATION.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING
RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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First Aid Measures
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First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.GET
IMMEDIATE MEDICAL ATTENTION.EYES:IMMEDIATELY FLUSH WITH WATER WHILE
GETTING PROMPT MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE
OXYGEN OR

ARTIFICIAL RESPIRATION IF NEEDED.GET
MEDICAL ATTENTION.INGEST:DO NOT INDUCE VOMITING.GET PROMPT QUALIFIED
MEDICAL ATTENTION.IF CONSCIOUS,GIVE WATER OR MILK.

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

Flash Point:NONFLAMMABLE
Extinguishing Media:NOT COMBUSTIBLE. WATER SPRAY, FOAM, CARBON DIOXIDE,
DRY CHEMICALS.
Fire Fighting Procedures:AVOID CONTACT WITH WATER;CAN CAUSE A VIOLENT
EXOTHERMIC REACTION. FIREFIGHTERS SHOULD WEAR PROTECTIVE CLOTHING &
PRESSURE DEMAND SCBA.
Unusual Fire/Explosion Hazard:PRODUCT CAN REACT EXPLOSIVELY W/ ACIDS,
ALDEHYDES & MANY OTHER ORGANIC CHEMICALS. CONSIDERABLE HEAT
GENERATED WHEN PRODUCT MIXED W/WATER.

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

Spill Release Procedures:STOP LEAKS. CONTAIN SPILLS. REMOVE BY VACUUM
TRUCK. NEUTRALIZE RESIDUE W/DILUTE INORGANIC
ACID(HYDROCHLORIC,SULFURIC, NITRIC,PHOSPHORIC,ACETIC ACID). FLUSH
SPILL AREA W/WATER FOLLOWED BY LIBERAL COVERING OF SODIUM
BICARBONATE. WEAR SAFETY EQUIPMENT.
Neutralizing Agent:DILUTE INORGANIC ACID; 5% ACETIC ACID. FOLLOW W/
SODIUM BICARBONATE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED
PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM
HEAT, SPARKS, FLAMES AND INCOMPATIBLE MATERIALS.
Other Precautions:DO NOT STORE OR HANDLE IN TIN,ALUMINUM,ZINC OR ITS
ALLOYS.AVOID SKIN AND EYE CONTACT.DO NOT INHALE VAPORS/MISTS.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE. USE NIOSH/MSHA
APPROVED RESPIRATORS WHERE SPRAY OR MIST MAY BE GENERATED.
Ventilation:SPECIAL VENTILATION IS NOT REQUIRED UNDER NORMAL USE. USE
LOCAL EXHAUST VENTILATION WHERE MIST/SPRAY MAY BE GENERATED.
Protective Gloves:RUBBER GLOVES.
Eye Protection:CHEMICAL SAFETY GOGGLES W/FACE SHIELDS.
Other Protective Equipment:PROTECTIVE CLOTHING

THING,AS NEEDED.PROVIDE A

LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

HAZARDOUS CARBON MONOXIDE GAS CAN BE FORMED UPON CONTACT WITH REDUCING SUGARS,FOOD AND BEVERAGE PRODUCTS IN ENCLOSED SPACES.

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

HCC:B1

Boiling Pt:=132.8C, 271.F

Melt/Freeze P

t:=-28.9C, -20.F

Spec Gravity:1.45

pH:12.0

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

TIN,ALUMINMUM,ZINC& ALLOYS CONTNG THESE METALS,LEATHER,ORGANIC HALOGEN COMPOUNDS,ORGANIC NITRO CMPDS,ACIDS,WOOL.

Stability Condition to Avoid:AVOID DIRECT CONTACT WITH WATER.ADD THIS PRODUCT SLOWLY TO WATER OR ACIDS TO AVOID A VIOLENT EXOTHERMIC REACTION.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL/STATE/LOCAL REGULATIONS. APPROPRIATE DISPOSE WILL DEPEND ON THE NATURE OF EACH WASTE MATERIAL & SHOULD BE PERFORMED BY COMPETENT & PROPERLY PERMITTED CONTRACTORS.

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