

OCCIDENTAL CHEMICAL CORP -- 45% CAUSTIC POTASH-LOW SODIUM,P/N 460-00005 --
6140-01-363-4701

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

Product ID:45% CAUSTIC POTASH-LOW SODIUM,P/N 460-00005

MSDS Date:05/30/1989

FSC:6140

NIIN:01-363-4701

MSDS Number: BPYNM

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORP

Address:5005 LBJ FWYT

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Nu

m:214-404-3523

Emergency Phone Num:800-752-5151

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

Company Name:OECO CORP

Address:4607 SE INTERNATIONAL WAY

City:MILWAUKIE

State:OR

ZIP:97222

Country:US

Phone:503-659-5999

CAGE:95266

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

Ingred Name:POTASSIUM HYDROXIDE

(SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 45%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
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:NONE SPECIFIED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 365 MG/KG (KOH)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:
NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: SEVERE BURNS, EYE DAMAGE,
BLINDNESS. SKIN: IRRITATION, SEVERE BURNS, TISSUE DESTRUCTION.
INHALATION: MISTS OR SPRAYS MAY CAUSE DAMAGE TO UPPER-RESPIRATORY
TRACT AND LUNG TISSUE. INGESTION: CAN CAUSE SEVERE BURNS AND
COMPLETE TISSUE PERFORATION OF MUCOUS MEMBRANES OF THE MOUTH,
THROAT, ESOPHAGUS AND STOMACH.
Explanation of Carcinogenicity:NOT LISTED AS CARCINOGEN BY NTP, IARC,
OSHA.
Effects of Overexposure:EYES:
BURNS, EYE DAMAGE, BLINDNESS. SKIN:
IRRITATION, BURNS, TISSUE DESTRUCTION. INHALATION: DAMAGE TO UPPER
RESPIRATORY TRACT AND LUNG TISSUE. INGESTION: BURNS AND PERFORATION
OF MUCOUS MEMBRANES OF THE MOUTH, THROAT, ESOPHAGUS AND STOMACH.
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASE
INVOLVING THE EYES, SKIN OR RESPIRATORY TRACT MAY BE AT INCREASED
RISK FROM EXPOSURE.

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

First Aid:EYES:

FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER OR SEVERAL GLASSES OF MILK. GET MEDICAL ATTENTION.

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

Flash Point:NON
FLAMMABLE
Extinguishing Media:PRODUCT NOT COMBUSTABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. WATER SPRAY, FOAM, CARBON DIOXIDE, DRY CHEMICALS.
Fire Fighting Procedures:AVOID DIRECT CONTACT OF THIS PRODUCT WITH WATER SINCE THIS CAN CAUSE A VIOLENT EXOTHERMIC REACTION. WEAR PROTECTIVE CLOTHING AND SCBA FOR FIREFIGHTING IN AREA.
Unusual Fire/Explosion Hazard:DO NOT MIX WITH STRONG ACIDS WITHOUT DILUTION AND AGITATION TO PREVENT VIOLENT OR EXPLOSIVE REACTION.

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= Accidental Release Measures =====

Spill Release Procedures:CONTAIN SPILLS. NEUTRALIZE SPILL WITH ANY DILUTE INORGANIC ACID. FLUSH SPILL AREA WITH WATER FOLLOWED BY LIBERAL COVERING OF SODIUM BICARBONATE. COLLECT CLEAN-UP MATERIAL IN APPROVED CONTAINERS FOR PR OPER DISPOSAL.
Neutralizing Agent:USE DILUTE HYDROCHLORIC, SULFURIC, NITRIC, PHOSPHORIC, OR ACETIC ACID.

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

Handling and Storage Precaution
s:STORE AND USE IN WELL VENTILATED AREA.
KEEP CONTAINERS CLOSED. NEVER ADD WATER TO PRODUCT. ALWAYS ADD PRODUCT, WITH CONSTANT STIRRING,SLOWLY TO WATER.
Other Precautions:ALWAYS EMPTY AND CLEAN CONTAINERS OF ALL RESIDUES BEFORE ADDING PRODUCT TO AVOID POSSIBLE EXPLOSIVE REACTION BETWEEN PRODUCT AND UNKNOWN RESIDUE. ALL RESIDUAL CAUSTIC POTASH SHOULD BE REMOVED FROM CON TAINERS PRIOR TO DISPOSAL.

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

Respiratory

Protection:NOT REQUIRED UNDER NORMAL USE. USE NIOSH/MSHA
APPROVED REPIRATORS WHERE DUST, MIST, OR SPRAY MAY BE GENERATED.
Ventilation:SPECIAL VENTILATION IS NOT REQUIRED UNDER NORMAL USE.USE
LOCAL EXHAUST VENTILATION WHERE MIST OR SPRAY MAY BE GENERATED.
Protective Gloves:IMPERVIOUS GLOVES SHOULD BE WORN.
Eye Protection:SAFETY GOGGLES PLUS FULL FACE SHIELD.
Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING AND CHEMICAL
RESISTANT SAFETY SHOES SHOULD BE WORN TO MINIMIZE CONTAC
T.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
PROVIDE WORKING AREA WITH EYE WASH STATION AND SAFETY SHOWER.
RETURNABLE CONTAINERS SHOULD BE SHIPPED IN ACCORDANCE WITH
SUPPLIER'S RECOMMENDATIONS.

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

HCC:B1
Boiling Pt.=133.C, 271.4F
Melt/Freeze Pt.=-29.C, -20.2F
Spec Gravity:1.45
pH:BASIC
Solubility in W
ater:COMPLETELY
Appearance and Odor:CLEAR LIQUID. NO ODOR.
Percent Volatiles by Volume:UNKNON

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

Stability Indicator/Materials to Avoid:YES
ALUMINUM, TIN, ZINC, AND ALLOYS CONTAINING THESE METALS, LEATHER,
ORGANIC HALOGENS AND ORGANIC NITRO COMPOUND,ACID,WOOL.
Stability Condition to Avoid:AVOID DIRECT CONTACT WITH WATER.
Hazardous Decomposition Products:NONE
Conditions to Avoid Polymerization:MATERIAL IS NOT KNOWN TO POLYMERI
ZE.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS.

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