

OCCIDENTAL CHEMICAL CORP -- CAUSTIC SODA LIQUID (ALL GRADES) -- 6810-01-311-9756

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

Product ID:CAUSTIC SODA LIQUID (ALL GRADES)

MSDS Date:10/15/1996

FSC:6810

NIIN:01-311-9756

MSDS Number: BXFZC

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORP

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380-5000

Country:US

Info Pho

ne Num:800-752-5151/214-404-3523

Emergency Phone Num:716-278-7021/800-752-5151

CAGE:4R332

=== Contractor Identification ===

Company Name:OCCIDENTAL CHEMICAL CO DIV OCCIDENTAL PETROLEUM

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Phone:716-278-7021

CAGE:4R332

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

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Composition/Information on Ingredients =====

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 48.5-91%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM HYDROXIDE (SARA III)
CAS:1310-73-2
RTECS #:WB4900000
Fraction by Wt: 9-51.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM CHLORIDE
CAS:7647-14-5
RTECS #:VZ4725000
Fraction by Wt: 0-1.3%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM CHLORATE (CHLORIC ACID, SODIUM SALT)
CAS:7775-09-9
RTECS #:FO0525000
Fraction by Wt: 0-0.3%
Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: CHEMICAL PNEUMONIA. EYES:
CAN CAUSE SEVERE DAMAGE. SKIN: CORROSIVE. TISSUE DESTRUCTION.
INGESTION: CORROSIVE.

Explanation
of Carcinogenicity:NONE
Effects of Overexposure:INHALATION-CAN PRODUCE BURNS OF THE RESPIRATORY
TRACT. EYES-BURNS AND BLINDNESS. SKIN-BURNS AND TISSUE DESTRUCTION.
INGESTION-SEVERE BURNS & COMPLETE TISSUE PERFORATION OF MUCOUS
MEMBRANES OF MOUTH, T HROAT & STOMACH.
Medical Cond Aggravated by Exposure:NONE KNOWN.

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

First Aid:EYES:IMMEDIATELY FLUSH WITH A DIRECT STREAM OF WATER FOR 15
MIN. GET MEDICAL AID. SKIN:FL

WASH THOROUGHLY WITH COOL WATER WHILE REMOVING SOILED CLOTHES/SHOES. GET MEDICAL AID. INHALATION-REMOVE TO FRESH AIR, IF BREATHING IS HARD, HAVE TRAINED PERSON ADMINISTER OXYGEN. IF BREATHING STOPS, GIVE CPR. GET MEDICAL AID. INGEST:DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. GET MEDICAL AID.

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

Flash Point:NON FLAMMABLE
Autoignition Temp:Autoignition Temp Text:NONFLA
Extinguishing Media:USE WATER
TO KEEP FIRE-EXPOSED CONTAINERS COOL.
Fire Fighting Procedures:USE WATER TO COOL CONTAINER/AVOID WATER IN CONTAINER. WEAR NIOSH/MSHA APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:DIRECT CONTACT WITH WATER CAN CAUSE A VIOLENT EXOTHERMIC REACTION.

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

Spill Release Procedures:CONTAIN LIQUIDS & PREVENT DISCHARGES TO STREAMS OR SEWERS, CONTROL OR STOP THE LOSS OF VOLATILE MATERIALS TO THE ATMOSPHERE. CONTAIN SPILL WITH DIKE TO PREVENT ENTRY INTO SEWERS OR WATERWAYS. NEVER FLUSH TO SEWERS. DRY MATERIAL CAN BE SHOVELED UP.
Neutralizing Agent:DILUTE INORGANIC ACID (HYDROCHLORIC, SULFURIC OR ACETIC ACID)

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED & PROPERLY LABELED. DIKE STORAGE CONTAINERS TO CONTAIN 110% OF TANK VOLUME. ALUMINUM IS NOT RECOMMENDED FOR STORAGE.
Other Precautions:ALWAYS EMPTY & CLEAN CONTAINERS OF ALL RESIDUES BEFORE ADDING PRODUCT. DON'T GET IN EYES, ON SKIN/ON CLOTHING. AVOID BREATHING DUST, MIST/SPRAY. DON'T TAKE INTERNALLY. USE W/ADEQUATE VENTILATION.

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

Respiratory Protection:RESPIRATORY PROTECTION IS NOT REQUIRED UNDER NORMAL USE. WEAR A NIOSH/MSHA APPROVED RESPIRATOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, W

HERE AIRBORNE CONTAMINANTS MAY OCCUR.

Ventilation:NO SPECIAL VENTILATION REQUIRED UNDER NORMAL USE. USE LOCAL EXHAUST VENTILATION WHEREVER MISTS, SPRAY OR VAPOR GENERATES

Protective Gloves:RUBBER/NEOPRENE/VINYL GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES W/FACE SHIELD

Other Protective Equipment:STANDARD WORK CLOTHING CLOSED AT THE NECK AND WRISTS. EMERGENCY SHOWER, EYEWASH FACILITY SHOULD BE IN CLOSE PROXIMITY.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & FOOTWEAR

BEFORE USE. REMOVE/DISCARD FOOTWEAR WHICH CAN'T BE DECONTAMINATED.

Supplemental Safety and Health

WASH CONTAMINATED CLOTHING AND DRY BEFORE RESUE.

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

HCC:B1

Boiling Pt:B.P. Text:291F,144C

Melt/Freeze Pt:M.P/F.P Text:53.6F,12.0C

Vapor Pres:13 @60C

Spec Gravity:1.53

pH:SUPPLE

Evaporation Rate & Reference:NOT KNOWN

Solubility in Water:COMPLETELY SOLUBLE

Appearance and Odor:CLEAR LIQUID WITH NO DISTINCT ODOR.

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

Stability Indicator/Materials to Avoid:YES

AIR, WATER, ACIDS, METALS. AVOID CONTACT WITH WATER. PRODUCT IS CORROSIVE TO TIN, ALUMINUM, ZINC.

Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:RECOVERY & RESUE, RATHER THAN DISPOSAL, SHOULD BE THE ULTIMATE GOAL OF HANDLING EFFORTS. DISPOSE OF ALL WASTE AND CONTAMINATED EQUIPMENT IN ACCORDANCE WITH

ALL APPLICABLE LOCAL,
STATE AND FEDERAL REGULATIONS.

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