

OCCIDENTAL CHEMICAL CORP -- 50% CAUSTIC SODA - DIAPHRAM -- 6810-01-311-9756

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

Product ID:50% CAUSTIC SODA - DIAPHRAM

MSDS Date:03/30/1992

FSC:6810

NIIN:01-311-9756

MSDS Number: BPHWK

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORP

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:716-278-7021

Emergency Phone Num:716-278-7021

Preparer's Name:PRODUCT STEWARDSHIP

CAGE:4R332

=== Contractor Identifi

cation ===

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

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

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 50%

Other REC Limits:NONE SPECIFIED

OSHA PEL: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: 50%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2.8 GM/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: CORROSIVE TO ALL BODY TISSUES
WITH WHICH IT COMES IN CONTACT. THE EFFECT OF LOCAL DERMAL EXPOSURE
MAY CONSIST OF MULTIPLE AREAS OF SUPERFICIA
L DESTRUCTION OF THE
SKIN OR OF PRIMARY IRRITANT DER MATITIS. INHALATION OF DUST, MIST,
SPRAYMAY RESULT IN VARYING DEGREES OF IRRITATION OR DAMAGE TO THE
RESPIRATORY TRACT.
Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.
Effects of Overexposure:SKIN, EYE, NOSE, THROAT & LUNG IRRITATION/
BURNS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures ==
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First Aid:SKIN-WASH WITH PLENTY OF WATER FOR 15 MINUTES. EYE-FLUSH WITH
PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.
INGESTION-DRINK LARGE QUANTITIES OF WATER, OR MILK. DO NOT INDUCE
VOMIT ING. NEVER GIVE ANYTHING BY MOUTH TO ANUNCONSCIOUS PERSON.
INHALATION-REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, HAVE
TRAINED PERSON ADMINISTER OXYGEN. IF BREATHING STOPS, GIVE
RESUSCITATION.

===== Fire Fighting Measure
S =====

Flash Point:NONE
Extinguishing Media:WATER SPRAY, FOAM, CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Rele

ase Procedures:DIKE AND SOAK WITH A NEUTRAL MATERIAL. VACUUM
UP OR NEUTRALIZE AND ABSORB WITH COMMERCIAL ABSORBENTS AND TRANSFER
INTO DISPOSAL CONTAINERS. FLUSH RESIDUE WITH DILUTE SOLUTION OF
ACID, FOLLOWED BY PLEN TY OF WATER.
Neutralizing Agent:DILUTE SOLUTION OF ACID

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

Handling and Storage Precautions:ALWAYS EMPTY AND CLEAN CONTAINERS OF
ALL RESIDUES BEFORE ADDING PRODUCT, TO AVOID POSSIBLE EXPLOSIVE
REAC
TION BETWEEN PRODUCT AND UNKNOWN RESIDUE.

Other Precautions:CONSIDERABLE HEAT IS GENERATED WHEN PRODUCT IS MIXED
WITH WATER. WHEN MAKING SOLUTION ALWAYS ADD PRODUCT TO WATER WITH
CONSTANT STIRRING TO ASSURE PRODUCT IS BEING COMPLETELY DISSOLVED
AS IT IS ADDED.

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

Respiratory Protection:NONE USUALLY. WHERE DUST, MIST, OR SPRAY MAY BE
GENERATED, USE A RESPIRATOR APPROVED BY NIOSH FOR DUST AND MIST.

Ventilation:LOCAL
EXHAUST TO MAINTAIN AIR CONCENTRATION BELOW 2 MG/M3.

Protective Gloves:RUBBER, PVC, OR NEOPRENE

Eye Protection:CHEMICAL SAFETY GLASSES.

Other Protective Equipment:WEAR RUBBER BOOTS AND APPRON. EYEWASH AND
SAFETY SHOWER IS RECOMMENDED.

Work Hygienic Practices:WASH HANDS BEFORE AND AFTER USE.

Supplemental Safety and Health
MFR'S MSDS NO. IS M4806.

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

HCC:B1
Boiling Pt:B.P. Text:289F,143C
Vapor Pres:13
Spec Gravity:1.54
pH:14
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR LIQUID WITH NO DISTINCT ODOR.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS AND STRONG ACIDS.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION
Hazardous Decomposition Products:CARBON DIOXIDE GAS & CORROSIVE CAUSTIC
SODA.

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

Waste Disposal Methods

:THE MATERIAL RESULTING FROM CLEAN-UP OPERATIONS
MAY BE HAZARDOUS WASTE AND, THEREFORE, SUBJECT TO SPECIFIC
REGULATIONS. FOLLOW ALL APPLICABLE FEDERAL, STATE, AND LOCAL
REGULATIONS.

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