

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

Prepar

er's Name:PRODUCT STEWARDSHIP

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

===== 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 SUPERFICIAL 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 B
Y MANUFACTURER.

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

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 Measures =====

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 Release 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 RESI

DUES BEFORE ADDING PRODUCT, TO AVOID POSSIBLE EXPLOSIVE REACTION 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 R

ESPIRATOR 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

Boili

ng 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.

===== Dispo

sal 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants
this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.