

BARTLETT CHEMICALS -- SODIUM HYDROXIDE -- 6810-00-234-8373

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

Product ID:SODIUM HYDROXIDE

MSDS Date:04/15/1998

FSC:6810

NIIN:00-234-8373

MSDS Number: CHQHC

=== Responsible Party ===

Company Name:BARTLETT CHEMICALS

Address:4955 RIVER ROAD

City:JEFFERSON

State:LA

ZIP:70121

Country:US

Info Phone Num:504-734-1971

Emergency Phone Num:504-734-1971

CAGE:1V771

=== Contracto

r Identification ===

Company Name:BARTLETT CHEMICALS

Address:4955 RIVER ROAD

Box:10710

City:JEFFERSON

State:LA

ZIP:70121

Country:US

Phone:504-734-1971

CAGE:1V771

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

Ingred Name:SODIUM HYDROXIDE (CERCLA)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

=====

LD50 LC50 Mixture:TLV 2 MG/M3 (C)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- CORROSIVE. EYES:CAUSES SEVERE BURNS. SKIN:MAY CAUSE DEEP ULCER. MAY BE FATAL IF ABSORBED THROUGH SKIN. INHALE:MAY CAUSE UPPER RESPIRATORY TRAC T IRRITATION & BURNS. ORAL:CAUSES SEVEREPAIN, NAUSEA, VOMITING, DIARRHEA. CAUSES BURNS OF GI TRACT.

CHRONIC- DERMATITIS

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SEVERE BURNS, SEVERE IRRITATION, SEVERE PAIN, NAUSEA, VOMITING, DIARRHEA, DEEP SKIN ULCERS, COUGHING, BREATHING DIFFICULTY, SHOCK, POSSIBLY COMA

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

=====

First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE. EYES/SKIN:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. REMOVE CONTAMINATED CLOTHING. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYG EN IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK 2-4 CUPFULS OF MILK OR WATER. IF VOMITING OCCURS SPONTANEOUSLY, KEEP AIRWAY CLEAR. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

=====

Flash Point:NONE

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE (CO2), ALCOHOL FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH- APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:DIRECT CONTACT WITH MOISTURE OR WATER CAN CAUSE VIOLENT EXOTHERMIC REACTION GENERATING SUFFICIENT HEAT TO IGNIT

E NEARBY COMBUSTIBLE MATERIALS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VACCUM OR SWEEP UP AND PLACE IN APPROVED CONTAINERS FOR DISPOSAL. AVOID GENERATING DUSTY CONDITIONS. NEUTRALIZE REMAINING TRACES OF MATERIAL WITH ACID. WASH SPILL AREA WITH WATER TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:DILUTE INORGANIC ACID (SULFURIC, HYDROCHLORIC, PHOSPHORIC, NITRIC ACIDS).

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER IN DRY PLACE AWAY FROM FLAMMABLE AND INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:USE WITH ADEQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT GENERATE DUST. DO NOT BREATHE DUST, MIST OR FUMES. WASH THOROUGHLY AFTER HANDLING. CAUTION! EMPTY CONTAINER RETAINS RE SIDUE. DO NOT ALLOW WATER TO GET INSIDE.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED DUST RESPIRATOR MUST BE WORN. A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STA NDARD 29 CFR 1910.134.

Ventilation:GOOD GENERAL VENTILATION IS SUFFICIENT FOR MOST CONDITIONS (10 ROOM VOLUMES PER HOUR).

Protective Gloves:RUBBER, PVC

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/GOGG LES

Other Protective Equipment:RUBBER BOOTS, RUBBER APRON, EYE WASH FOUNTAIN, SAFETY SHOWER

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

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

HCC:B1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:2534F,1390C

Melt/Freeze Pt:M.P/F.P Text:604F,318C

Vapor Pres:100

Spec Gravity:2.13

Viscosity

:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:VERY

Appearance and Odor:WHITE HYGROSCOPIC SOLID - ODORLESS

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

Stability Indicator/Materials to Avoid:YES

WATER, ACIDS, ALUMINUM, TIN, ZINC & ALLOYS, WEAK ACID GASES (CARBON DIOXIDE, HYDROGEN SULFIDE, SO<sub>2</sub>), CINNAMALDEHYDE

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:SODIUM OXIDE, SODIUM PEROXIDE FUMES

=====

= Disposal Considerations =====

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS. SMALL QUANTITIES MAY BE DISSOLVED IN WATER AND NEUTRALIZED WITH ACID. THE NEUTRALIZED SOLUTION MAY BE FLUSHED D OWN THE DRAIN IF PERMITTED.

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.