

GEORGIA-PACIFIC CORP. BELLINGHAM DIVISION -- SODIUM HYDROXIDE,50% LIQUID. --
6810-01-051-3050

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

Product ID:SODIUM HYDROXIDE,50% LIQUID.

MSDS Date:02/24/1988

FSC:6810

NIIN:01-051-3050

MSDS Number: BMDTZ

=== Responsible Party ===

Company Name:GEORGIA-PACIFIC CORP. BELLINGHAM DIVISION

Address:300 LAUREL STREET

Box:1236

City:BELLINGHAM

State:WA

ZIP:98227

Country:US

Inf

o Phone Num:206-733-4410

Emergency Phone Num:206-733-4410

Preparer's Name:KIP HOWLETT

CAGE:95732

=== Contractor Identification ===

Company Name:GEORGIA-PACIFIC CORP; BELLINGHAM DIV

Address:300 LAUREL STREET (9822S)

Box:1236

City:BELLINGHAM

State:WA

ZIP:98227

Country:US

Phone:206-733-4410

CAGE:95732

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

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: >48.5%

Other REC Limits:NONE SPECIFIED

O

SHA PEL:2 MG/M3
ACGIH TLV:C 2 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SODIUM HYDROXIDE IS A STRONG
ALKALI AND IS DESTRUCTIVE OF ALL HUMAN TISSUE IT CONTACTS, GIVING
SEVERE BURNS. EYE CONTACT WILL PRODUCE SEVERE OR PERMANENT INJURY.
INHALATION OF MIST OR
SPRAY CAN INJURE THE ENTIRE RESPIRATORY
TRACT. CHRONIC: MANUFACTURER DID NOT SPECIFY.
Explanation of Carcinogenicity:NOT APPLICABLE.
Effects of Overexposure:EYES: SEVERE BURNS. POSSIBLE PERMANENT TISSUE
DAMAGE AND POSSIBLE BLINDNESS. SKIN: SEVERE IRRITATION. POSSIBLE
CHEMICAL BURNS AND POSSIBLE PERMANENT TISSUE DAMAGE. INHALATION:
SEVERE IRRITATION AND POSSIBLE PERMANENT DAMAGE TO UPPER
RESPIRATORY TRACT.
Medical Cond Aggravated by Exposure:NONE.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT
LEAST 15 MINUTES. SEE DOCTOR IMMEDIATELY. SKIN: FLUSH WITH LARGE
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING
CONTAMINATED CLOTHING AND SHOES. SEE DOCTOR. INHALATION: REMOVE TO
FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR IMMEDIATELY.
INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER.
SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE
FOR SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED
CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:SODIUM HYDROXIDE WILL REACT WITH METALS
SUCH AS ALUMINUM, TIN, AND ZINC TO GENERATE FLAMMABLE AND EXPLOSIVE
HYDROGEN GAS.

====

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

Spill Release Procedures:PICK UP SPILL WITH VACUUM EQUIPMENT (ALKALI RESISTANT) FOR DISPOSAL OR FLUSH TO HOLDING AREA WITH LARGE AMOUNTS OF WATER.

Neutralizing Agent:5% ACETIC ACID.

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

Handling and Storage Precautions:DO NOT PERMIT WORKERS TO HANDLE SODIUM HYDROXIDE WITHOUT PROPER TRAINING OR EQUIPMENT. STORE IN SEALED CONTAINERS PROTECTED FROM PHYSICAL DAMAGE.

Other Precautions:AVOID HANDLING CONDITIONS WHICH LEAD TO SPILLS OR MIST FORMATION. DRAINS MUST HAVE RETENTION BASINS FOR PH ADJUSTMENT AND NEUTRALIZATION OF SPILLED MATERIAL. HAVE ABUNDANT RUNNING WATER AVAILABLE WHERE MATERIAL IS STORED, UNLOADED OR HANDLED

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

Respiratory Protection:IF TLV IS EXCEEDED, USE SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE, HELMET OR HOOD, OR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE.

Ventilation:LOCAL EXHAUST ESPECIALLY WHERE POSSIBILITY OF MIST FORMATION EXISTS.

Protective Gloves:RUBBER.

Eye Protection:DUSTPROOF AND SPLASHPROOF SAFETY GOGGLES

Other Protective Equipment:APRON OR PROTECTIVE CLOTHING, AND RUBBER

BOOTS (TOPS COVERED BY APRON OR CLOTHING TO PREVENT ENTRANCE OF CAUSTIC).

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.LAUNDRY CONTAMINATED CLOTHING. DISCARD CONTAMINATED SHOES.

S

Supplemental Safety and Health

NONE

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

HCC:B1

Boiling Pt:B.P. Text:284F,140C

Vapor Pres:13 @ 140F

Spec Gravity:1.53

pH:> 12.5

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR LIQUID, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ACIDS, MANY ORGANIC CHEMICALS, ESPECIALLY NITROCARBONS & HALOCARBONS, LEATHER, WOOL, ALUMINUM, TIN, ZINC, & THEIR ALLOYS

YS

Stability Condition to Avoid:NONE NOTED.

Hazardous Decomposition Products:NONE.

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. WASTE CAUSTIC MUST NEVER BE DISCHARGED TO SEWERS OR SURFACE WATERS. FIRST CONVERT TO NEUTRAL SALTS AND DILUTE WELL WITH WATER. SODIUM HYDROXIDE WASTE EXHIBITS THE EPA CHARACTERISTIC OF CORROSIVITY.

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.