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 PO SSIBLE PERMANENT DAMAGE TO UPPER RESPIRATORY TRACT.
Medical Cond Aggravated by Exposure:NONE.

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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 CLOTHIN G 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.

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

Flash Point:NONE
Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPIATE 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.

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========== 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 PHYSI
CAL 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 WHER E MATERIAL IS STORED, UNLOADED OR HANDLE

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

Respiratory Protection:IF TLV IS EXCEEDED, USE SUPPLIED AIR RESPIRATOR WITH FULL FACEPIECE, HELMET OR HOOD, OR SELF-CONTAINED BREATHING AP
PARATUS WIHT 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.LAUNDER CONTAMINATED CLOTHING. DISCARD CONTAMINATED SHOES.
S
upplemental 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 ALLO

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.