

CHEMTECH INDUSTRIES INC -- CAUSTIC SODA, ANHYDROUS (1/4 FLAKE) -- 6810-00-174-6581
===== Product Identification =====

Product ID:CAUSTIC SODA, ANHYDROUS (1/4 FLAKE)

MSDS Date:01/08/1992

FSC:6810

NIIN:00-174-6581

MSDS Number: BXYWB

=== Responsible Party ===

Company Name:CHEMTECH INDUSTRIES INC

Address:9909 CLAYTON RD

City:ST LOUIS

State:MO

ZIP:63124

Country:US

Info Phone Num:314-966-9900

Emergency

Phone Num:314-966-9900

CAGE:56894

=== Contractor Identification ===

Company Name:CHEMTECH INDUSTRIES INC MANUFACTURED PRODUCTS DIV

Address:1655 DES PERES RD

Box:31000

City:ST. LOUIS

State:MO

ZIP:63131-1821

Country:US

Phone:314-966-9934

CAGE:56894

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

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: >96%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1

000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:ACUTE ORAL LD50 (RAT): 140-340 MG/KG
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION OF DUST OR MIST CAN CAUSE IRRITATION.
Explanation of Carcinogenicity:WARNING: THIS PRODUCT CONTAINS DETECTABLE AMOUNTS OF A CHEMICAL KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER.
Effects of Overexposure:BEAD OR LIQUID CONTACT WITH THE SKIN CAN CAUSE SEVERE BURNS WITH DEEP ULCERATIONS. CONTACT WITH EYES CAN CAUSE SEVERE BURNS AND BLINDNESS. INGESTION CAN CAUSE SEVERE BURNS TO THE MOUTH, THROAT, STOMACH AND OTHER TISSUES WHICH MAY RESULT IN DEATH.
Medical Condition Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:SKIN OR EYE-FLUSH AREA WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION-REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION-GIVE LARGE AMOUNTS OF WATER TO DILUTE. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO UNCONSCIOUS PERSON.

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Fire Fighting Measures
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Flash Point:NONE
Extinguishing Media:DOES NOT BURN OR SUPPORT COMBUSTION. USE EXTINGUISHING MATERIALS FOR SURROUNDING FIRE.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD BE EQUIPPED WITH APPROPRIATE PROTECTIVE APPAREL & NIOSH APPROVED DUST RESPIRATOR.
Unusual Fire/Explosion Hazard:MAY RELEASE EXPLOSIVE HYDROGEN GAS UPON CONTACT WITH REACTIVE METALS.

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Accidental Release Measures
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Spill Release Procedures:SHOVEL UP ALL POSSIBLE MATERIAL AND RECONTAINER. FLUSH WITH LARGE QUANTITIES OF WATER. NEUTRALIZE WITH DILUTE ACID. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

ATIONS.

Neutralizing Agent:DILUTE ACID.

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

Handling and Storage Precautions:USE DOT CORROSIVE LABEL IN ADDITION TO COMMODITY LABEL MATERIAL IS CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANES. AVOID CONTACT IN ALL FORMS.

Other Precautions:CONSIDERABLE HEAT IS GENERATED WHEN CAUSTIC SODA IS DISSOLVED IN WATER. BOILING AND SPATTERING OF HOT CAUSTIC SOLUTION MAY RESULT.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR FOR DUST AND MIST.

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

Protective Gloves:RUBBER OR NEOPRENE

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:RUBBER BOOTS AND APRONS. SAFETY SHOWER. EYE WASH.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATE CLOTHING AND WASH BEFORE REUSE.

Supplemental Safety and Health
CORROSIVE.

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

HCC:B1

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

Vapor Pres:>0.01

Spec Gravity:2.13 (WATER=1)

Solubility in Water:SOLUBLE.

Appearance and Odor:WHITE SOLID, FLAKE OR GRANULAR; PRACTICALLY ODORLESS.

Percent Volatiles by Volume:NONE

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

Stability Indicator/Materials to Avoid:YES

ALUMINUM, TIN, LEA, ZINC AND THEIR ALLOYS. ALL ACIDS. DISSOLVES IN WATER RELEASING HEAT.

Stab

ility Condition to Avoid:NONE

Hazardous Decomposition Products:AQUEOUS SOLUTIONS MAY LIBERATE
HYDROGEN UPON REACTION WITH METALS LISTED ABOVE.

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

Waste Disposal Methods:FOLLOW FEDERAL, STATE & LOCAL REGULATIONS.

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