

LIBERTY CHEMICAL CO -- SODIUM METASILICATE, ANHYDROUS

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MSDS Safety Information
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FSC: 6810
NIIN: 00-664-7062
MSDS Date: 09/21/1992
MSDS Num: BNTZT
Product ID: SODIUM METASILICATE, ANHYDROUS
MFN: 01
Responsible Party
Cage: 2U208
Name: LIBERTY CHEMICAL CO
Address: 317 ST PAULS AVE
City: JERSEY CITY NJ
07306-5021
Info Phone Number: COMPANY OUT OF BUSINESS
Emergency Phone Number: COMPANY OUT OF BUSINESS
Preparer's Name: DGSC-SSH
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 2U208
Name: LIBERTY CHEMICAL CO
Address: 317 ST PAULS AVE
City: JERSEY CITY NJ 07306-5021

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Contractor Summary
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Cage: 2U208
Name: LIBERTY CHEMICAL CO
Address: 317 ST PAULS AVE
City: JERSEY CITY NJ 07306-5021
Phone: COMPANY OUT OF BUSINESS

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Item Description Information
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Item Manager: S9G
Item Name: SODIUM METASILICATE, ANHYDROUS, TECHNICAL
Specification Number: A-A-1818
Type/Grade/Class: TYPE 2
Unit of Issue: BG
Quantitative Expression: 00000000100LB
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I Container Qty: 1

Type of Container: STD COMML BAG

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Ingredients
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Cas: 6834-92-0

RTECS #: VV9275000

Name: SODIUM METASILICATE, ANHYDROUS

% Wt: 100

Other REC Limits: NONE SPECIFIED

OSHA PEL: 2 MG/M3 8HR

ACGIH TLV: C; 2 MG/M3
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Health Hazards Data
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LD50 LC50 Mixture: ORAL RAT LD50

: 847 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: SOLUTIONS ARE HIGHLY ALKALINE. IRRITATING TO EYES, SKIN, AND MUCOUS MEMBRANES. INGESTION WILL CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT. NAUSEA, VOMITING, CRAMPS AND DIARRHEA MAY OCCUR.

Explanation Of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Sign

s And Symptoms Of Overexposure: SOLUTIONS ARE HIGHLY ALKALINE. IRRITATING TO EYES, SKIN, AND MUCOUS MEMBRANES. INGESTION WILL CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT. NAUSEA, VOMITING, CRAMPS AND DIARRHEA MAY OCCUR.

Medical Cond Aggravated By Exposure: NONE

First Aid: EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: IMMEDIATELY WASH WITH WATER. REMOVE SOILED CLOTHING. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION:

REMOVE TO FRESH AIR. GETMEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS, IMMEDIATELY GIVE LARGE QUANTITIES OF WATER TO DRINK. GET MEDICAL ATTENTION IMMEDIATELY.
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Handling and Disposal
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Spill Release Procedures: SWEEP UP THE MATERIAL BEING CAREFUL NOT TO CREATE DUST AND TRANSFER TO AN APPROPRIATE CHEMICAL WASTE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ACID,

FLUSH SPILL AREA WITH WATER.

Neutralizing Agent: DILUTE ACID

Waste Disposal Methods: (CONSULT LOCAL, STATE AND FEDERAL REGULATIONS) OBSERVE ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS REGARDING DISPOSAL, SPILL, CLEANUP, REMOVAL AND/OR DISCHARGE.

Handling And Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED AREA. THE MATERIAL IS HYGROSCOPIC AND CONTAINERS SHOULD BE KEPT CLOSED WHEN NOT IN USE.

Other Precautions: IF EXPOSURE OCCURS OR IF POISONING IS SUSPECTED, DO NOT WAIT

FOR SYMPTOMS TO DEVELOP. IMMEDIATELY INITIATE THE RECOMMENDED FIRST AID PROCEDURES. SIMULTANEOUSLY CONTACT A PHYSICIAN OR THE NEAREST HOSPITAL. DESCRIBE INCIDENT & FOLLOW ADVICE.

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Fire and Explosion Hazard Information
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Flash Point Text: NON-FLAMMABLE

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, 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: HIGHLY ALKALINE. IN AQUEOUS SOLUTIONS, IT MAY REACT WITH CERTAIN METALS TO FORM FLAMMABLE HYDROGEN GAS.

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Control Measures
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Respiratory Protection: WEAR A NIOSH/MSHA APPROVED DUST RESPIRATOR.

Ventilation: LOCAL EXHAUST IS SUGGESTED TO PROVIDE ADEQUATE VENTILATION.

Protective Gloves: RUBBER GLOVES

Eye Protection: CHEMICAL GOGGLES AND FACE SHIELD.

Other Protective Equipment: WEAR INDUSTRIAL WORK CLOTHING AND RUBBER BOOTS. HAVE EMERGENCY EYE WASH AND SAFETY SHOWER AVAILABLE.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health: USE GOOD WAREHOUSE KEEPING PROCEDURES.

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Physical/Chemical Properties
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HCC: B1

Melt/Freeze Pt: =1088.9C, #####F

Decomp Text: UNKNOWN

Vapor Pres: NEGLIGIBLE

Spec Gravity: 2.4

PH: 12.6

Solubility in Water: APPRECIABLE

Appearance and Odor: WHITE GRANULAR OR POWDERED SOLID. ODORLESS.

Percent Volatiles by Volume: 0

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Materials To Avoid: THIS MATERIAL, UPON CONTACT WITH CERTAIN PRODUCTS OR THEIR RESIDUES WHICH CONTAIN REDUCING SUGARS, MAY REACT TO FORM CO.

Hazardous Decomposition Products: IN AQUEOUS SOLUTIONS, THIS MATERIAL MAY REACT WITH ALUMINUM, GALVANIZED IRON AND ZINC, & MAY GENERATE FLAMMABLE H2 GAS.

Hazardous Polymerization Indicator: NO

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Code: 2U208

Trans ID NO: 81563

Product ID: SODIUM METASILICATE, ANHYDROUS

MSDS Prepared Date: 09/21/1992

Review Date: 09/21/1992

MFN: 1

Net Unit Weight: 100 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: BG

Container QTY: 1

Type Of Container: STD COMML BAG

Additional Data: NONE

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Detail DOT Information
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: SODIUM METASILICATE, ANHYDROUS

Cage: 2U208

Company Name: LIBERTY CHEMICAL CO

Street: 317 ST PAULS AVE

City: JERSEY CITY NJ

Zipcode: 07306-5021

Health Emergency Phone: COMPANY OUT OF BUSINESS

Label Required IND: Y

Date Of Label Review: 09/21/1992

Status Code: C

Label Date: 09/21/1992

Year Procured: 1984

Origination Code: F

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Haz

ard: Moderate

Fire Hazard: None

Reactivity Hazard: Slight

Hazard And Precautions: SOLUTIONS ARE HIGHLY ALKALINE. IRRITATING TO EYES, SKIN, & MUCOUS MEMBRANES. INGESTION WILL CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT. NAUSEA, VOMITING, CRAMPS & DIARRHEA MAY OCCUR. IN CASE OF SPILL: SWEEP UP THE MATERIAL BEING CAREFUL NOT TO CREATE DUST AND TRANSFER TO AN APPROPRIATE CHEMICAL WASTE CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ACID, FLUSH SPILL AREA WITH WATER. STORE IN A COOL, DRY, WELL VENTILATED AREA. THE MATERIAL IS HYGROSCOPIC. KEEP CONTAINERS CLOSED WHEN NOT IN USE. FIRST AID: EYES: FLUSH WITH WATER FOR 15 MINUTES. SKIN: WASH WITH WATER. INHALATION: REMOVE TO FRESH AIR . INGESTION: NO NOT INDUCE VOMITING. GET MED HELP.

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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, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.