

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 Symptions 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. LAUNDRY 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 Cage: 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: DO NOT INDUCE VOMITING. GET MED HELP.

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to verify

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