

BOUGHT ACCORDING TO SPECIFICAT -- SODIUM HYDROXIDE

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MSDS Safety Information
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FSC: 6810
NIIN: 00-270-8177
MSDS Date: 10/22/1992
MSDS Num: BPBVK
Product ID: SODIUM HYDROXIDE
MFN: 01
Responsible Party
Cage: 81349
Name: BOUGHT ACCORDING TO SPECIFICATION
City: N/P VA 00000
Info Phone Number: 804-279
-4371
Emergency Phone Number: 804-279-3131
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: 81349
Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY
Address: DEPTS/AGENCIES UNDER AUTH OF DEF STD
Box: MANUAL
City: 4120 3-M NK 00000

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Contractor Summary
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Cage: 81349
Name: MILITARY SPECIFICATIONS PROMULGATED BY MILITARY
Address: DEPTS/AGENCIES UNDER AUTH OF DEF STD
Box: MANUAL
City: 4120 3-M NK 00000
Phone: 804-279-4371 DSN 695-4371

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Item Description Information
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Item Manager: GSA
Item Name: SODIUM HYDROXIDE, TECHNICAL
Unit of Issue: CO
Quantitative Expression: 00000000500GM
UI Container Qty: G
Type

of Container: CONTAINER

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Ingredients
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Cas: 1310-73-2
RTECS #: WB4900000
Name: SODIUM HYDROXIDE
% Wt: 96 MIN
Other REC Limits: NONE SPECIFIED
OSHA PEL: 2 MG/M3
ACGIH TLV: C 2 MG/M3; 9293
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
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Health Hazards Data
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LD50 LC50 Mixture: ORAL,
RAT, LD50 = 500 MG/KG
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: EYES:CORROSIVE,IRRITATION,BURNS,BLINDNESS;
SKIN:CORROSIVE,IRRITATION,BURNS,SCARRING;INHALATION:SEVERE IRRITATION, DAMAGE
OF UPPER RESPIRATORY TRACT. SEVERE PNEUMONITIS MAY OCCUR. INGESTION:
CORROSIVE, BURNING OF MOUTH,THROAT,STOMACH, DEATH.CHRONIC:DERMATITIS,
CORNEAL,NASAL,BRONCHIAL AND GASTRIC ULCERATION, CONJUNCTIVITI

Explanation Of C

arcinogenicity: PRODUCT CONTAINS NO INGREDIENTS CURRENTLY
CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Signs And Symptoms Of Overexposure: IRRITATION TO SEVERE BURNS OF SKIN AND
EYES. , ABDOMINAL PAIN, BLOODY VOMITING AND DIARRHEA., SOAR THOAT, COUGHING
AND DYSPNEA.

Medical Cond Aggravated By Exposure: SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED
RESPIRATORY FUNCTION.

First Aid: EYES:FLUSH WITH WATER FOR AT LEAST 15 MIN. GET IMMED MEDICAL HELP.

SKIN:WASH WITH WATER AND REMOVE CONTAM

INATED CLOTHES & SHOES. SEE DOCTOR

IMM. INHALATION:REMOVE TO FRESH AIR. IF NOT BREATHING GIVE C PR. IF BREATHING
IS DIFFICULT, GIVE OXYGEN. GET MEDICAL HELP. INGESTION:DO NOT INDUCE
VOMITING. GIVE WATER/MILK, FOLLOWED BY CITRUS FRUIT JUICE. NOTHING BY MOUTH
IF UNCONSCIOUS.SEE DOCTOR IMMEDIATELY.

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Handling and Disposal
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Spill Release Procedures: CLEAN UP PERSONNEL REQUIRE PROT

ECTIVE CLOTHNG &
RESP PROTECTION FROM DUST. SWEEP,SCOOP OR PICK UP SPILLED MATERIAL. AVOID
DUSTNG. TRANSFER WASTE TO A CLOSED CONTAINER FOR DISPOSAL. DO NOT FLUSH TO
THE SEWER. NEUTRALIZE RESIDUE WITH 5% ACETIC ACID.

Neutralizing Agent: 5% ACETIC ACID

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS.

Handling And Storage Precautions: STORE IN COOL,DRY WELL VENTED LOW FIRE RISK
AREA. PROTECT FROM HEAT,SHOCK,FRICION. KEEP CONTAINERS CLOSED.

Other Precautions: KEEP AWAY FROM INCOMPATIBLE MATERIALS. ALWAYS ADD THE
CAUSTIC TO WATER WHILE STIRRING;NEVER THE REVERSE.

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Fire and Explosion Hazard Information
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Flash Point Text: NONFLAMMABLE

Extinguishing Media: EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTIN
G CHEMICAL FIRE. USE WATER SPRAY TO
COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard: HOT OR MOLTEN MATERIAL CAN REACT VIOLENTLY WITH
WATER. CAN REACT WITH CERTAIN METALS SUCH AS ALUMINUM TO GENERAL FLAMMABLE
HYDROGEN GAS.

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Control Measures
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Respiratory Protection: IF TLV IS EXCEEDED,A DUST/MIST RESP. WITH CHEM. GOGGLES
MAY BE WORN,IN GENERAL UP TO 10 TIMES

TLV. ALTERNATIVELY, USE A SUPPLIED AIR
FULL FACEPIECE RESPIRATOR OR AIRLINED HOOD.

Ventilation: LOCAL EXHAUST TO ELIMINATE MISTS/FUMES/GASES.

Protective Gloves: IMPERVIOUS

Eye Protection: CHEM.SFTY GOGGLES AND/OR FULL FACESHIELD

Other Protective Equipment: IMPERVIOUS PROTECTIVE CLOTHING,INCLUDING BOOTS, LAB
COAT,APRON OR COVERALLS TO PREVENT SKIN CONTACT.EYE WASH&SFTY SHOWER

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. THIS SUBSTANCE IS
CLASSIFIED AS A POISON.

Supplemental Safe

ty and Health: MTLs TO AVOID,CONT'D:CONTACT W.NITROMETHANE

& OTHER SIMILAR NITRO COMPDS CAUSES FORMATION OF SHOCK-SENSITIVE SALTS;
CONTACT W.METALS SUCH AS ALUMINUM,TIN,AND ZINC CAUSES FORMATION OF FLAMMABLE
HYDROGE N GAS. ADDING WATER TO CAUSTIC SOLUTIONGENERATES LARGE AMOUNTS OF
HEAT.

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Physical/Chemical Properties
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HCC: B1

B.P. Text: 2534F,1390C

M.P/F.P Text: 604F,318C

Dec

omp Text: UNKNOWN

Spec Gravity: 2.13

PH: 14.0

Solubility in Water: APPRECIABLE

Appearance and Odor: WHITE, HYGOSCOPIIC PELLETS.

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: VERY HYGROSCOPIC.CAN SLOWLY PICK UP MOISTURE FROM AIR AND REACT WITH CO2 IN AIR TO FORM SODIUM CARBONATE.

Materials To Avoid: ACIDS,FLAMM LIQUIDS AND CHLORINATED ORGANIC COMPDS, ORGANIC PEROXIDES-SEE SUPPL.

Hazardous Decomposition Products: SODIUM OXIDE

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE. WILL NOT OCCUR.

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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: 81349

Trans ID NO: 64516

Product ID: SODIUM HYDROXIDE

MSDS Prepared Date: 10/22/1992

Review Date: 10/22/1992

MFN: 1

Net Unit Weight: 500 GRAMS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: CO

Container QTY: G

Type Of Container: CONTAINER

Additional Data: REPORTABLE QUANTITY = 1000 POUNDS.

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Detail DOT Information
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DOT PSN Code: NGU

DOT Proper Shi

Shipping Name: SODIUM HYDROXIDE, SOLID

Hazard Class: 8

UN ID Num: UN1823

DOT Packaging Group: II

Label: CORROSIVE

Packaging Exception: 154

Non Bulk Pack: 212

Bulk Pack: 240

Max Qty Pass: 15 KG

Max Qty Cargo: 50 KG

Vessel Stow Req: A

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Detail IMO Information
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IMO PSN Code: NSX

IMO Proper Shipping Name: SODIUM HYDROXIDE, SOLID

IMDG Page Number: 8225-1

UN Number: 1823

UN Hazard Class: 8

IMO Pa

ckaging Group: II

Subsidiary Risk Label: -

EMS Number: 8-06

MED First Aid Guide NUM: 705

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Detail IATA Information
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IATA PSN Code: WSO

IATA UN ID Num: 1823

IATA Proper Shipping Name: SODIUM HYDROXIDE, SOLID

IATA UN Class: 8

IATA Label: CORROSIVE

UN Packing Group: II

Packing Note Passenger: 814

Max Quant Pass: 15KG

Max Quant Cargo: 50KG

Packaging Note Cargo: 816

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Detail AFI Information
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AFI PSN Code: WSO

AFI Proper Shipping Name: SODIUM HYDROXIDE, SOLID

AFI Hazard Class: 8

AFI UN ID NUM: UN1823

AFI Packing Group: II

Special Provisions: P5

Back Pack Reference: A12.4

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HAZCOM Label
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Product ID: SODIUM HYDROXIDE

Cage: 81349

Company Name: MILITARY SPECIFICATIONS PRO

MULGATED BY MILITARY

Street: DEPTS/AGENCIES UNDER AUTH OF DEF STD

PO Box: MANUAL

City: 4120 3-M NK

Zipcode: 00000

Health Emergency Phone: 804-279-3131

Label Required IND: Y

Date Of Label Review: 10/22/1992

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 10/22/1992

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: DANGER

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Severe

Fire Hazard: None

Reactivity Hazard: Moderat

e

Hazard And Precautions: EYES:CORROSIVE,IRRITATION,BURNS,BLINDNESS;

SKIN:CORROSIVE,IRRITATION,BURNS,SCARRING;INHALATION:SEVERE IRRITATION, DAMAGE

OF UPPER RESPIRATORY TRACT. INGESTION:CORROSIVE,BURNING OF MOUTH,

THROAT,STOMAC H,DEATH. CHRONIC:DERMATITIS,CORNEAL,NASAL,BRONCHIAL AND GASTRIC

ULCERATION. STORE IN COOL,DRY WELL VENTED AREA. FIRST AID:EYES: FLUSH WITH

WATER FOR AT LEAST 15 MIN. GET MEDICAL HELP. SKIN:WASH WITH W ATER, REMOVE

CONTAMINATED CLOTHES & SHOES. SEE DOCTOR. I

NHALATION:REMOVE TO FRESH

AIR.IF NOT BREATHING GIVE CPR/OXYGEN. GET MEDICAL HELP. INGESTION: DO NOT

INDUCE VOMITING. GIVE WATER/MILK, FOLLOWED B Y CITRUS FRUIT JUICE. NOTHING BY

MOUTH IF UNCONSCI

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