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Safety Information
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MSDS

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FSC: 6810 NIIN: 00-181-7557 MSDS Date: 01/01/1995 MSDS Num: BWPRL

Submitter: D DG Tech Review: 04/08/1999 Status CD: C

Product ID: SODIUM HYDROXIDE LIQUID MFN: 01

Article: N Kit Part: N

Responsible Party Cage: 71073

Name: UNIVERSAL CHEMICALS INC

Address: 100 HACKENSACK AVE

City: SOUTH KEARNY State: NJ Zip: 07032

Country: US

Info Phone Number: 201-589-1525

Emergency Phone Number: 800-424-9300(CHEMTREC)

Preparer's Name: N/P

Proprietary Ind: N

Review Ind: Y

Published: Y

Special Project CD: N

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Summary
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Contractor

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Cage:71073 Name:UNIVERSAL CHEMICALS INC

Address:100 HACKENSACK AVE

City:SOUTH KEARNY State:NJ Zip:07032

Country:US Phone:UNKNOWN

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Description Information
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Item

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Item Manager: S9G

Item Name: SODIUM HYDROXIDE SOLUTION

Specification Number: UNKNOWN Type/Grade/Class: NK

Unit of Issue: BT Quantitative Expression: 00000000500ML
UI Container Qty: 0 Type of Container: BOTTLE

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Ingredients
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Cas: 1310-73-2 Code: M RTECS #: WB4900000 Code: M

Name: SODIUM HYDROXIDE (SARA III)

% Text: 50 Environmental Wt:
Other REC Limits: NONE RECOMMENDED

OSHA PEL: 2 MG/M3 Code: M OSHA Code:

STEL: Code:

ACGIH TLV: C 2 MG/M3; 9394 Code: M N/P Code:

EPA Rpt Qty: 1000 LBS

ACGIH
STEL:
DOT Rpt 1000 LBS
Qty:

Ozone Depleting Chemical: N

Cas: Code: X RTECS #: Code: X

Name: WATER AND TRACES OF IMPURITIES

% Text: BALANCE

Environmental Wt:

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

Code: M

OSHA

Code:

STEL:

ACGIH TLV: NOT ESTABLISHED

Code: M

ACGIH N/P

Code:

STEL:

EPA Rpt Qty:

DOT Rpt

Qty:

Ozone Depleting Chemical:

Hazards Data

Health

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LD50 LC50 Mixture LD50 FOR MICE=40MG/KG.

Route Of Entry Inds – Inhalation: YES

Skin: YES

Ingestion: NO

Carcinogenicity Inds – NTP: NO

IARC: NO

OSHA: NO

Health Hazards Acute And Chronic

INHAL: SORE THROAT, COUGHING, SHORTNESS OF BREATH. SKIN: CORR. SER CHEM & POSSIBLE THERMAL BURNS. RABBIT 50MG/24HRS SEVERE IRRITATION. EYE: CORR, SEVERE TO PERM INJURY (BLINDNESS). INGEST: CORR, SPASMS, VOMIT, TISSUE DESTRUCTION, POSSIBLE DEATH.

Explanation Of Carcinogenicity

PER MSDS: CARCINOGEN NOT LISTED IN NTP/IARC/OSHA.

Signs And Symptoms Of Overexposure

SORE THROAT, COUGHING, SHORTNESS OF BREATH, SERIOUS CHEMICAL & POSSIBLE THERMAL SKIN BURNS. SEVERE TO PERM EYE INJURY, BLINDNESS. SPASMS, VOMITING, TISSUE DESTRUCTION, POSSIBLE DEATH.

Medical Cond Aggravated By Exposure

NONE. TARGET ORGANS: EYES, RESPIRATORY SYSTEM, SKIN.

First Aid

INHAL: REMOVE FROM CONTAMINATED AREA. GET MED HELP. SKIN: REMOVE CONTAMIN CLOTH. WASH W/WATER. EYE: FLUSH W/WATER FOR 15MINS INCLUDING UNDER EYELIDS. GET MED HELP. INGEST: DRINK PLENTY OF WATER OR FRUIT JUICE. GET IMMEDIATE MED HELP. ADDN INFO: SIMPLE WATER RINSE IS NOT ADEQUATE TO REMOVE THIS PRODUCT FROM SKIN. CONTINUE TO WATER FLUSH UNTIL SLIPPERINESS IS GONE.

Spill Release Procedures

PLANNING AHEAD IS ESSENTIAL FOR HANDLING SPILLS. PROPER EQPMT & TRAINED EMPLOYEES SHOULD BE READILY AVAILABLE TO CORRECT A SPILL SITUATION.

Neutralizing Agent

SODA ASH SOLUTIONS, LIME SOLUTIONS.

Waste Disposal Methods

DISPOSE OF SPILLAGE WASTE PER COM CONTINGENCY PLAN & IN ACCORDANCE WITH FED/STATE/LOCAL REGS. NEUTRALIZED WASTE IS COMPOSED OF SALT & WATER. RQ=1000LBS OR 454 KG.

Handling And Storage Precautions

NONE SPECIFIED BY MANUFACTURER.

Other Precautions

NONE SPECIFIED BY MANUFACTURER.

Explosion Hazard Information

Fire and

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Flash Point Method: N/P

Flash Point:

Flash Point Text: NOT COMBUSTIBLE

Autoignition Temp:

Autoignition Temp Text: NONE

Lower Limits: NONE

Upper Limits: NONE

Extinguishing Media

SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures

CAN CAUSE SPLATTERING BY REACTION W/WATER. WEAR CLOTHING TO AVOID BODY CONTACT.

Unusual Fire/Explosion Hazard

MATL CORR TO ALL HUMAN TISSUE.WILL REACT VIOLENTLY W/MANY ORG CHEM ESPECIALLY NITROCARBONS & CHLOROCARBONS.REACTS W/ZN,AL,SN,OTHER ACTIVE METALS RELEASING H2.

Measures

Control

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Respiratory Protection

NONE IS NORMALLY REQUIRED HOWEVER IF MISTING OR HEAVY VAPOR FORMATION SHOULD OCCUR A NIOSH APPROVED MIST RESPIRATOR SHOULD BE WORN.

Ventilation

PROVIDE ADEQUATE VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves

RUBBER,LATEX,PLASTIC,NO LEATHER OR WOOL.

Eye Protection

SPLASH GOGG FULL SHIELD.

Other Protective Equipment

RUB BOOTS,RUB OVER LEATHER SHOES NOT RECOMMENDED.RUB APRON,RAINWEAR/DISPOSABLE TYVEK SUIT W/HARD HAT.SAF EYEWASH/SHOWER.

Work Hygienic Practices

WASH HANDS AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE.

Supplemental Safety and Health

Physical/Chemical Properties

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HCC: B1

NRC/State LIC No: N/R

Net Prop WT For Ammo:

Boiling Point: =137.8C, 280.F

B.P. Text:

Melt/Freeze Pt: =7.1C, 44.1F

M.P/F.P Text:

Decomp Temp:

Decomp Text: N/K

Vapor Pres: 1.1MM@105F

Vapor Density: N/A

Volatile Org Content %:

Spec Gravity: 1.530

VOC Pounds/Gallon:

PH: 14

VOC Grams/Liter:

Viscosity: 100CPS @68F

Evaporation Rate & Reference: WILL NOT EVAP @AMB TEMP

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS, VISCOUS LIUQID, NO ODOR.

Percent Volatiles by Volume: 50

Corrosion Rate: N/K

Data

Reactivity

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Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: ORG CHEM ESPECIALLY NITROCARBONS &CHLOROCARBONS.RXS W/ZN,AL,SN,OTHER ACTIVE METALS LIBERATING FLAMM H2. H2O2, ACIDS.

Hazardous Decomposition Products: NONE SPECIFIED BY MANUFACTURER.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization NOT APPLICABLE

Toxicological Information

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Toxicological Information:N/P

Information

Ecological

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Ecological: N/P

Transport Information

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Transport Information:N/P

Information

Regulatory

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Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Information

Other

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Other Information: N/P

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