

RESEARCH SOLVENTS AND CHEMICALS INC -- SODIUM HYDROXIDE, AQUEOUS SOLUTION --  
6810-01-051-3050

===== Product Identification =====

Product ID:SODIUM HYDROXIDE, AQUEOUS SOLUTION

MSDS Date:09/01/1994

FSC:6810

NIIN:01-051-3050

MSDS Number: B TSRJ

=== Responsible Party ===

Company Name:RESEARCH SOLVENTS AND CHEMICALS INC

Address:8100 N PADGETT SWITCH RD

City:IRVINGTON

State:AL

ZIP:36544

Country:US

Info P

Phone Num:205-957-6000

Emergency Phone Num:205-957-6000

CAGE:0R2T4

=== Contractor Identification ===

Company Name:RESEARCH SOLVENTS AND CHEMICALS INC

Address:8100 N PADGETT SWITCH RD

Box:City:IRVINGTON

State:AL

ZIP:36544

Country:US

Phone:205-957-6000

CAGE:0R2T4

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

Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 49.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9

394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:(10% SOL)ORAL LD50 (RAT) IS 500 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE-MAY CAUSE TISSUE INJURY AND LOSS  
OF VISION. SKIN-CORROSIVE TO ALL TISSUE. INHALATION-INHALATION OF  
CONCENTRATED MIST MAY CAUSE DAMAGE TO RESPIRATORY TRACT; MIST IS A  
ST  
RONG RESPIRATORY IRRITANT. I NGESTION-MODERATELY TOXIC BY  
INGESTION.  
Explanation of Carcinogenicity:NO  
Effects of Overexposure:INGESTION-INGESTION MAY CAUSE VOMITING,  
PROSTATION OR COLLAPSE.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYE-HOLD EYELIDS OPEN AND FLUSH WITH PLENTY OF WATER; GET  
MEDICAL ATTENTION. SKIN-FLUSH AFFECTED AREA WITH WATER FOR AT LEAST  
15 MINUTES. DO NOT  
USE SOAP. INHALATION-MOVE TO FRESH AIR; IF  
BREATHING HA S STOPPED, GIVE ARTFICIAL RESPIRATION; IF BREATHING IS  
DIFFICULT GIVE OXYGEN; GET MEDICAL ATTENTION. INGESTION-IF  
SWALLOWED & VICTIM IS CONSCIOUS, HAVE VICTIM DRINK WATER OR MILK;  
DO NOT INDUCE VOMIT.

===== Fire Fighting Measures =====

Flash Point:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:USE WATER, CARBON DIOXIDE OR FOAM.  
Fire Fighting Procedures:WEAR RUBBER OVERCLOTHI  
NG, INCLUDING GLOVES.  
Unusual Fire/Explosion Hazard:NOT FLAMMABLE. MAY CAUSE FIRE ON CONTACT  
WITH COMBUSTIBLES. FLAMMABLE GAS MAY BE PRODUCRED ON CONTACT WITH  
METALS.

===== Accidental Release Measures =====

Spill Release Procedures:SHOULD A SPILL OR RELEASE OCCUR INTO THE AIR,  
WATER OR ONTO LAND, NOTIFICATION TO THE NATIONAL RESPONSE SENTER  
(800-424-8801) WILL BE REQUIRED IF THE SPILL EXCEEDS THE  
ESTABLISHED REPORATBLE QUANTITY VALUE FOR THE SUB

STANCE.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE OF CONTAINER. SEPERATE FROM OXIDE, METALS, EXPLOSIVE, ORGANIC PEROXIDE AND EASILY IGNITABLE MATERIALS.

Other Precautions:WEAR MONOGOGGLES OR FULL FACE SHIELD, MECHNAICAL FILTER RESPIRATOR, RUBBER GLOVES, APRONS AND BOOTS. DO NOT STORE IN ALUMINUM, TIN, LEAD OR ZINC.

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===== Exposur  
e Controls/Personal Protection =====

Respiratory Protection:WHERE THE EXPOSURE GUIDELINES MAY BE GREATLY EXCEEDED, USE A NIOSH APPROVED RESPIRATOR SELF-CONTAINED BREATHING APPARATUS FOR CAUSTIC MIST.

Ventilation:USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

Protective Gloves:USE RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY MONOGOGGLES/FACE SHIELD.

Other Protective Equipment:USE RUBBER OVERCLOTHING INCLUDING BOOTS.

Work

Hygienic Practices:WASH HANDS AFTER USING.

Supplemental Safety and Health

NONE

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

HCC:B1

Boiling Pt:=142.2C, 288.F

Vapor Pres:NONE

Vapor Density:NONE

Spec Gravity:1.5

Evaporation Rate & Reference:NONE

Solubility in Water:SOLUBLE

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume:0.0

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

Stability Indicator/Materials to Avoid:YES

AT

TACKS METALS; COMBINATION WITH WATER WILL RELEASE HEAT AND MAY STEAM AND SPLATTER.

Stability Condition to Avoid: GENERALLY CONSIDERED TO BE STABLE.

Hazardous Decomposition Products: NONE

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

Waste Disposal Methods: SODIUM HYDROXIDE SOLUTION, AS COMMERCIALY PRODUCED IS A CHARACTERISTIC HAZARDOUS WASTE. DISPOSAL OF THIS PRODUCT MUST BE IN ACCORDANCE WITH THE APPROPRIATE LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaime

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