

ALLIED CHEMICAL CORP. -- SODIUM HYDROXIDE SOLUTION,50% SOLUTION -- 6810-01-051-3050

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Product Identification  
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Product ID:SODIUM HYDROXIDE SOLUTION,50% SOLUTION

MSDS Date:01/01/1985

FSC:6810

NIIN:01-051-3050

MSDS Number: BGJCF

=== Responsible Party ===

Company Name:ALLIED CHEMICAL CORP.

Address:COLUMBIA RD & PARK AVE

Box:1087R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Emergency Phone

Num:800-522-8001

CAGE:1L168

=== Contractor Identification ===

Company Name:ALLIED CHEMICAL COMPANY

Box:1087R

CAGE:1L168

Company Name:ALLIED-SIGNAL INC

Address:Box:2332R

City:MORRISTOWN

State:NJ

ZIP:07962-2332

Country:US

Phone:201-455-4414

CAGE:1L164

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Composition/Information on Ingredients  
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Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 50%

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 50%

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Hazards Identification  
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Effects of Overexposure:SEVERE IRRITANT TO EYES,SKIN,BY INHAL,  
INGESTION.MATERIAL IS EXTREMELY CORROSIVE.SOME EFFECTS DELAYED.

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First Aid Measures  
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First Aid:EYES:IMMEDIATELY FLUSH W/H<sub>2</sub>O 15 MIN.SKIN: IMMEDIATELY FLUSH UNDER  
SAFETY SHOWER.REMOVE CONTAMINATED CLOTHES.INHALED:REMOVE TO FRESH  
AIR.INGEST:DO NOT INDUCE VOMITING.GIVE LG AMTS H<sub>2</sub>O OR MILK.FOLLOW  
WITH DILUTE VINEGAR OR FRUIT JUICE.GET MEDICAL ATTENTION.

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Fire Fighting Measures  
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Extinguishing Media:FLOOD W WATER,TAKE CARE NOT TO SPLASH THIS MATERIAL  
Fire Fighting Procedures:IF MISTY,WEAR SELF-CONTAINED BREATHING APPARATUS, FULL  
PROTECTIVE CLOTHING  
Unusual Fire/Explosion Hazard:WILL REACT WITH METALS TO GENERATE H<sub>2</sub>  
WHICH IS EXPLOSIVE AND FLAMMABLE.

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Accidental Release Measures  
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Spill Release Procedures:PICK UP SPILL W ALKALINE RESISTANT EQUIP FOR  
DISPOSAL OR FLUSH TO HOLDING AREA W H<sub>2</sub>O.NEUTRALIZE WITH DILUTE ACID  
& RINSE W H<sub>2</sub>O.PERSONNEL MUST WEAR FULL PROTECTIVE CLOTHING TO PREVENT  
CONTACT. ABUNDANT RUNNING WATER SHOULD BE AVAILABLE FOR  
EMERGENCY USE.

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Handling and Storage  
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Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE.STORE  
IN DRY PLACE;PROTECT AGAINST MOISTURE & H<sub>2</sub>O.SEPARATE FROM  
ACIDS,METALS,EXPLOSIVES, PEROXIDES,COMBUSTIBLES.  
Other Precautions:IMPORTANT TO TRAIN WORKERS PROPERLY.UNUSUAL  
PRECAUTIONS TO PREVENT SPILLS,LEAKAGE,EJECTIONS & MIST  
FORMATION.AVOID SKIN CONTACT WHEN HANDLING,WEAR GOGGLES OR FACE  
SHIELD.

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Exposure Controls/Personal Protection  
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Respiratory Protection:IF MISTY:SELF-CONTAINED BREATHING APP W FULL FACE PIECE;  
SUPPLIED AIR RESPIRATOR.  
Ventilation:ALL HANDLING SHOULD BE DONE IN AN EXHAUSTED HOOD.  
Protective

Gloves:RUBBER/NEOPRENE

Eye Protection:SAFETY GLASSES,FACE SHLD

Other Protective Equipment:FACE SHIELD,EYE WASH,SAFETY SHOWER,FULL  
PROTECTIVE CLOTHING.

Supplemental Safety and Health

SYNONYM:CAUSTIC LYE SOLN,SODA LYE,SODIUM HYDROXIDE LIQUID.

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

HCC:B1

Boiling Pt:B.P. Text:298F,148C

Spec Gravity:1.525

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, VISCOUS LIQUID. ODORLESS.

===== Stability and Reactiv  
ity Data =====

Stability Indicator/Materials to Avoid:YES

AVOID ACIDS,METALS,OXIDIZERS,ORGANICS,WATER RACTV MATL.

Hazardous Decomposition Products:AT BP(148C)HAZARDOUS MIST,AT DRYNESS  
CAUSTIC RESIDUE LEFT.

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

Waste Disposal Methods:DISPOSAL SUBJECT TO FEDERAL,STATE & LOCAL  
REGULATIONS.USERS SHOULD REVIEW OPERATIONS FOR REGULATORY  
COMPLIANCE. CONSULT WITH APPROPRIATE AGENCY BEFORE DISPOSAL.

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