

ALLIED CHEMICAL CORP -- O-S-801 CLASS 3 -- 6810-00-249-9354

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

Product ID:O-S-801 CLASS 3

MSDS Date:01/01/1985

FSC:6810

NIIN:00-249-9354

MSDS Number: BDNSG

=== Responsible Party ===

Company Name:ALLIED CHEMICAL CORP

Address:COLUMBIA RD AND PARK AVE

Box:1087R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

CAGE:1L168

=== Contractor Identification ===

Company Name:ALLI

ED 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

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 37.5%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of En

try: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:IRRITATION AND BURNS TO THE SKIN, EYES, NOSE,  
AND RESPIRATORY TRACT. PULMONARY EDEMA, BRONCHIAL EMPHYSEMA,  
CONJUNCTIVITIS, STOMATITIS, DENTAL EROSION.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR.  
IF BREATHING IS DIFFICULT GIVE OXYGEN. EYES: IMMEDIATELY FLUSH WITH  
PLEN  
TY OF WATER. SKIN: WASH WITH SOAP AND WATER. REMOVE  
CONTAMINATED CLO THING AND SHOES. INGESTION: DO NOT INDUCE  
VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL ATTENTION.

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

Extinguishing Media:FOR COMBUSTIBLES, USE SUITABLE DRY CHEMICAL. NO  
WATER ON ACID.  
Fire Fighting Procedures:GAS MASK WITH SULFURIC ACID ABSORBING CANISTER  
APPROVED BY THE BUREAU OF MINES.  
Unusual Fire/Explosion Hazard:REACTS WITH STEEL  
AND MANY COMMON METALS  
TO PRODUCE HYDROGEN GAS WHICH CAN BE A FIRE AND EXPLOSION.

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

Spill Release Procedures:COVER WITH SODIUM CARBONATE OR AN EQUAL  
MIXTURE OF SODA ASH AND SLAKED LIME. AFTER MIXING ADD WATER IF  
NECESSARY TO FORM A SLURRY. SODA ASH AND LIMESTONE WILL RELEASE  
CARBON DIOXIDE GAS REQUIRING ADEQ UATE VENTILATION.  
Neutralizing Agent:SODA ASH OR LIMESTONE

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===== Handling and Storage =  
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Handling and Storage Precautions:SMOKING, OPEN LIGHTS, AND SPARKS NOT  
PERMITTED IN STORAGE AREAS. PROTECT CONTAINERS AGAINST PHYSICAL  
DAMAGE AND PREVENT CONTACT WITH WATER.  
Other Precautions:SEPARATE FROM CARBIDES, CHLORATES, FULMINATES,  
NITRATES, PICRATES, POWDERED METALS, AND COMBUSTIBLES. WEAR RUBBER  
GLOVES, CHEMICAL GOGGLES, RUBBER BOOTS, AND CHEMICAL A CARTRIDGE  
RESPIRATOR.

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===== Exposure Controls/Personal Protection =====

Respi

ratory Protection:INDUSTRIAL CANISTER TYPE GAS MASK APPROVED BY  
U.S. BUREAU OF MINES

Ventilation:AS REQUIRED TO REMOVE ANY MISTS OF TOXIC GASES

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES

Other Protective Equipment:RUBBER APRONS, RUBBER SAFETY SHOES, FACE  
SHIELD, CLOTHING

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

SULFURIC ACID OXIDIZES, DEHYDRATES, OR SULFONATES MOST-ORGANIC  
COMPOUNDS. EXCESSIVE HEAT IS GENERATED WHEN MIXED WI  
TH WATER. AVOID

CONTACT WITH SULFIDES WHICH MAY EVOLVE TOXIC FLAMMABLE HYDROGEN  
SULFIDE GAS.

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

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Vapor Pres:0

Spec Gravity:1.84

Evaporation Rate & Reference:< 1 (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS, OILY LIQUID WITHOUT ODOR.

Percent Volatiles by Volume:100

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

Stabil

ity Indicator/Materials to Avoid:YES

CARBIDES, CHLORATES, FULMINATES, NITRATES, PICRATES, POWDERED METALS

Stability Condition to Avoid:HEAT, HUMID AREAS

Hazardous Decomposition Products:OXIDES OF SULFUR, HYDROGEN SULFIDE,  
HYDROGEN GAS

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

Waste Disposal Methods:NEUTRALIZE ACID WITH LARGE AMOUNT OF WATER, SODA  
ASH, AND SLAKED LIME BY STIRRING. DISPOSE OF BY STORING IN APPROVED  
STORAGE CONTAINERS FOR CORROSIVE LIQUIDS.

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