

ALLIED CHEMICAL CORP. -- SULFURIC ACID -- 6810-00-988-8924

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

Product ID:SULFURIC ACID

MSDS Date:01/01/1985

FSC:6810

NIIN:00-988-8924

MSDS Number: BGBZM

=== Responsible Party ===

Company Name:ALLIED CHEMICAL CORP.

Address:COLUMBIA RD AND PARK AVE

Box:1087R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Emergency Phone Num:800-522-8001

CAGE:1L168

=== Contractor Ident

ification ===

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 =====

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

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

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Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Effects of Overexposure:SEVERE BURNS TO SKIN AND EYES. INHALATION OF
MIST FROM HOT SULFURIC ACID CAN BE INJURIOUS TO LUNGS. IRRITATION
FROM FIRE.

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

First Aid:IN CASE OF CONTACT IMMEDIATELY FLUSH SKIN AND EYES WITH WATER
FOR AT LEAST 15 MINUTES. FOR EYE AND SKIN BURNS, GET IMMEDIATE
MEDIC
AL ATTENTION. INHALATION: MOVE TO FRESH AIR. REMOVE AND
ISOLATE CONTAMINATED CLOTHING AND SHOES. KEEP VICTIM QUIET AND
MAINTAIN NORMAL TEMPERATURES.

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

Extinguishing Media:NON FLAMMABLE. IN THE EVENT OF FIRE, USE CARBON
DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:USE A GAS MASK WITH A SULFURIC ACID ABSORBING
CANISTER APPROVED BY THE U.S. BUREAU OF MINES.
Unusual Fire/Explosion Hazard:SULFURIC ACID RE
ACTS WITH STEEL AND MANY
COMMON METALS TO PRODUCE HYDROGEN GAS WHICH CAN BE A FIRE AND
EXPLOSION HAZARD.

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

Spill Release Procedures:FLUSH WITH PLENTY OF WATER AND NEUTRALIZE ACID
WITH SODA ASH OR LIME. SODA ASH AND LIMESTONE WILL RELEASE CO2 GAS
REQUIRING ADEQUATE VENTILATION. SMALL SPILL: TAKE UP WITH SAND OR
OTHER NONCOMBUSTIBLE ABSORBENT. LARGE SPILL: DIKE FAR AHEAD OF
SPILL.
Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:FLAMMABLE HYDROGEN GAS IS GENERATED IN
STEEL DRUMS/TANKS CONTAINING SULFURIC ACID. NO IGNITION SOURCES IN
AREA. ALWAYS ADD ACID TO WATER CAUTIOUSLY.
Other Precautions:UNNEUTRALIZED ACID MUST NOT CONTACT SULFIDE WASTES
(SUCH AS IN SEWER) TO AVOID EVOLVING POISONOUS SULFIDE GAS. VENT
DRUMS WEEKLY, OR MORE FREQUENTLY IN HOT WEATHER. DO NOT STORE NEAR
INCOMPATIBLES.

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

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

Ventilation:LOCAL EXHAUST AS REQUIRED TO REMOVE ANY MISTS OF TOXIC GASES

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES/SHIELD

Other Protective Equipment:FACE SHIELD, RUBBER APRON, RUBBER SAFETY SHOES, PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:233F,112C

Spec Gravity:1.285

Evaporation Rate & Reference:< 1.0 (ETHER = 1)

Solubility in Water:COMPLETE

Appearance and Odor:SLIGHTLY VISCOUS, CLEAR TO SLIGHTLY CLOUDY LIQUID.

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS, NITRATES, CARBIDES, CHLORATES, POWDERED METALS

Stability Condition to Avoid:HIGH HEAT, MOISTURE

Hazardous Decomposition Products:SULFUR TRIOXIDE, SULFUR DIOXIDE, HYDROGEN SULFIDE, HYDROGEN GAS.

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

Waste Disposal Methods:NEUTRALIZE ACID WITH ALKALI AND FLUSH TO AN APPROVED DISPOSAL AREA WITH PLENTY OF WATER IF PERMITTED BY LOCAL AND STATE REGULATIONS. IN SOME CASES, WASTE MAY HAVE TO BE HAULED AWAY BY A DISPOSAL CONTR ACTOR.

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