

FISHER SCIENTIFIC COMPANY -- A-300,SULFURIC ACID -- 6810-00-146-7520

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Product Identification
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Product ID:A-300,SULFURIC ACID

MSDS Date:09/06/1989

FSC:6810

NIIN:00-146-7520

MSDS Number: BDCKF

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC COMPANY

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:800-424-9300 (CHEMTREC)

Emergency Phone Num:80

0-424-9300 (CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: >95%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 L

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2140 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: INHALATION- IRRITATION OF

LUNGS, BURNS OF MUCOUS MEMBRANES. EYES- IRRITATION, BURNS. SKIN-
IRRITATION, BURNS. INGESTION: SEVERE ABDONMINAL DISTRESS, BURNS OF
MOUTH AND ESOPHAGUS. NERVOUS SYSTEM DAMAGE. PH IMBALANCE. C

HRONIC:

CHRONICBRONCHITIS, PULMONARY EDEMA, DERMATITIS, ULCERATIONS OF
SKIN, LACRYMATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: COUGHING, BURNING SENSATION IN

CHEST, TIGHTNESS IN CHEST. EYES: IRRITATION, REDNESS, BURNS. SKIN:
BURNS, REDNESS, ITCHING, BLISTERING. INGESTION: SEVERE STOMACH
PAIN, BURNS AROUND MOUTH, N AUSEA, VOMITING.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND REPIRATORY
DISORDERS.

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Fi
rst Aid Measures
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First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEE A DOCTOR.

SKIN: BLOT IF PRACTICAL, THEN FLUSH WITH WATER. TREAT BURNS. SEE
DOCTOR. INGESTION: DO NOT INDUCE VOMITING. GIVE WATER, MILK, OR
MILK OF M AGNESIA. GET IMMEDIATE MEDICAL ATTENTION.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, OR HALON

Fire Fighting Procedures:WEAR FULL PROTECTIVE

GEAR AND SELF-CONTAINED
BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:MAY CAUSE FIRE WHEN IN CONTACT WITH
ORGANIC MATERIALS. SPLATTERS WHEN WATER CONTACTS.

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Accidental Release Measures
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Spill Release Procedures:CONTROL SPILL. NEUTRALIZE. SCOOP UP AND PLACE
IN CONTAINER FOR DISPOSAL.

Neutralizing Agent:20 % SODIUM BICARBONATE.

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Handling and Storage
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Handling and Storage Precautions:STORE IN CO

OL, DRY AREA.

Other Precautions:NEVER ADD WATER DIRECTLY TO CONCENTRATED SULFURIC ACID AS SPLATTERING WILL RESULT.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR FOR ACID MIST IF TLV/PEL EXCEEDED.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:PVC, NEOPRENE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING TO PREVENT PROLONGED OR

REPEATED CONTACT. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:PRACTICE GOOD PERSONAL HYGIENE AFTER USE. DO NOT EAT, DRINK, OR SMOKE UNTIL HANDS ARE WASHED.

Supplemental Safety and Health

CONTAINER SIZE: 9 POUND BOTTLE.

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

HCC:C1

Boiling Pt:B.P. Text:559F,293C

Melt/Freeze Pt:M.P/F.P Text:50.0F,10.0C

Decomp Temp:Decomp Text:644F,340C

Vapor Pres:< 0.001

Vapor Density:3.4

Spec Gravity:1.84

pH:

< 3

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS, ODORLESS LIQUID.

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLE MATERIALS,ORGANIC MATERIALS,METALS, REACTS VIOLENTLY WITH WATER CAUSING RELEASE OF HEAT.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FUMES OF SULFUR OXIDE

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

Waste Di

Disposal Methods: CONTACT YOUR LOCAL ENVIRONMENTAL MANAGER.
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL
REGULATIONS.

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