

FISHER SCIENTIFIC CO -- A300-500 SULFURIC ACID -- 6810-01-432-0063

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

Product ID:A300-500 SULFURIC ACID

MSDS Date:09/30/1997

FSC:6810

NIIN:01-432-0063

MSDS Number: CGLHX

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:410-526-8300

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:22527

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

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

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

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)

CAS:7664-93-9

RTECS #

:WS5600000
Fraction by Wt: 95-98.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL RAT LD50=2140MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:YES
Health Hazards Acute and Chronic:EYE:CAUSES SEVERE EYE BURNS.MAY CAUSE
IRREVERSIBLE EYE INJURY.SKIN:CAUSES SK
IN BURNS.INGEST:MAY CAUSE
SEVERE & PERM DMG TO DIGESTIVE TRACT.CAUSES GASTROINTESTINAL TRACT
BURNS.INHAL:HARMFUL IF INHAL.MA Y CAUSE SEVERE IRRIT OF RESP TRACT
W/SORE THROAT,COUGHING,SHORTNESS OF BREATH & DELAYED LUNG
EDEMA.CAUSES CHEM(SUPPLEME)
Explanation of Carcinogenicity:PER MSDS:SULFURIC ACID:OSHA-SELECT
CARCINOGEN;IARC-GROUP 1 CARC.LARYNGEAL CANCER.
Effects of Overexposure:SEVERE EYE BURNS,IRREVER EYE INJURY.SKIN
BURNS.SEVERE/PERM DMG TO GI TRACT.GI TRACT BURNS.HAR
MFUL IF
INHAL.SEVERE IRRIT OF RESP TRACT W/SORE THROAT,COUGH,SHORTNESS OF
BREATH,DELAYED LUNG EDEMA,CHEM BU RNS TO RESP
TRACT.NOSEBLEEDS,NASAL CONGESTION,EROSION OF TEETH,PERFORATION OF
NASAL SEPTUM,CHEST PAIN,BRONCHITIS,CONJUNC
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.
TARGET ORGANS:NONE.

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

First Aid:EYE:FLUSH W/PLENTY OF WATER FOR @LEAST 15MINS,OCCASIONALLY
LIFT UPPER/LOWER LI
DS.GET MED AID IMMED.DONT ALLOW VICTIM TO
RUB/KEEP EYES CLSD.SKIN:GET MED AID IMMED.FLUSH W/PLENTY OF
SOAP/H2O FOR @LEAST 15MINS WHILE REMOVE CONTAM CLOTH/SHOES.SPEEDY
ACTION CRITICAL!INGEST:DONT INDUCE VOMIT.CONSC/ALERT GIVE 2-4
CUPFULS OF MILK/H2O.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.GET MED
AID IMMED.INHAL:(SUPPLE)

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

Flash Point:NOT AVAILABLE
Autoignition Temp:Autoignition Temp Text:N/AVAI
Lower Limit

s:N/AVAI

Upper Limits:N/AVAI

Extinguishing Media:USE EXTINGUISHING MEDIA MOST APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR APPROP PORT CLOTH-PREVENT SKIN/EYE CONTACT.WEAR SCBA-PREVENT CONTACT W/THERM DECOMPO PRODS.CONTACT W/H2O CAUSES VIOLENT HEAT/LIBERATION/MATL SPLATTERING.

Unusual Fire/Explosion Hazard:CORROSIVE.

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

Spill Release Procedures:USE PPE.CLEAN UP SPILLS IMMED,OBSERVING PRECAUTIONS

IN PROT EQPMT SEC.COVER W/SAND,DRY LIME OR SODA ASH & PLACE IN CLOSED CNTNR FOR DISPOSAL.

Neutralizing Agent:DRY LIME OR SODA ASH.

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

Handling and Storage Precautions:DONT GET IN EYE/SKIN/CLOTH.KEEP CNTNR TIGHTLY CLSD.DONT ALLOW CONTACT W/H2O.DONT STORE NEAR COMBUST MATLS.KEEP CNTNR CLSD WHEN NOT IN USE.

Other Precautions:USE ONLY IN FUME HOOD.STORE IN COOL DRY WELL-VENTI AREA AWAYF ROM INCOMPAT SUBSTANCES.DONT ST ORE NEAR ALKALINE SUBSTANCES. PH:0.3(1N SOLN).NEVER ADD WATER TO THIS PRODUCT.

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

Respiratory Protection:FOLLOW OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR1910.134.ALWAYS USE NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE PROCESS ENCLOSURE,LOC EXHAU VENTI,OTHER ENGINEER CNTRL TO CNTRL AIRBORNE LEVELS BEL RECOMMENDED EXPOSURE.

Protective Gloves:APPROP PROT GLOVES-PREVENT SKIN CONTACT

Eye Protection:EYEGGLASSES

,CHEM SAF GOGG(29CFR1910.133)

Other Protective Equipment:WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Work Hygienic Practices:WASH WELL AFT HNDLG.REMOVE CONTAM CLOTH;WASH BEF REUSE.

Supplemental Safety and Health

HEALTH:BURNS TO RESP TRACT.CHRONIC:PROL/REP INAHL MAY CAUSE NOSEBLEEDS,NASAL CONGESTION,TEETH EROSION,PERFOR OF NASAL SEPTUM,CHEST PAIN,BRON.PROL/REP EYE CONTACT MAY CAUSE CONJUNCTIVITIS. 1ST AID:GET MED AID IMMED.REMOVE FRM EXPO TO FRESH AIR IM

MED.NOT BREATH GIVE ART RESP;DIFFI BREATH GIVE OXY.DR:TREAT
SYMPT/SUPPORTIVE

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

HCC:C1

Boiling Pt:B.P. Text:554F,290C

Melt/Freeze Pt:M.P/F.P Text:50.6F,10.3C

Decomp Temp:Decomp Text:644F,340C

Vapor Pres: