

HACH CO -- SULFURIC ACID STANDARD SOLUTION 1.00 N 1270 -- 6810-01-456-4687

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

Product ID:SULFURIC ACID STANDARD SOLUTION 1.00 N 1270

MSDS Date:05/07/1996

FSC:6810

NIIN:01-456-4687

Status Code:A

MSDS Number: CJDLC

=== Responsible Party ===

Company Name:HACH CO

Address:100 DAYTON RD

Box:907

City:AMES

State:IA

ZIP:50010-6402

Country:US

Info Phone Num:800-227-4224/515-

232-2533

Emergency Phone Num:303-623-5716

Resp. Party Other MSDS Num.:MOD436

CAGE:4T252

=== Contractor Identification ===

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Phone:800-227-4224

Contract Num:SP0450-98-M-C037

CAGE:4T252

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

Ingred Name:SULFURIC ACID

CAS:7664-93-9

RTECS #:WS5600000

< Wt:10.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

ACGIH STEL:3 MG/M3

EPA Rpt Qty:1000 LBS

DOT R

pt Qty:1000 LBS

Ingred Name:OTHER COMPONENT
< Wt:.1

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: TO 100%

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

Routes of Entry: Inhalation:NO Skin:UNKNOWN Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:THIS PRODUCT MAY BE CORROSIVE TO
EYES,IRRITATING TO RESPIRATORY TRACT.ACUTE TOXICITY:MODERATELY
TOXIC.CHRONIC TOXICITY:NOT DETERMINED.

Explanat

ion of Carcinogenicity:AN INGRED OF THIS MIXTURE IS KNOWN
CARCINOGEN.THE IARC EVALUATION OF SULFURIC ACID WAS BASED ON EXPO
TO MIST OR VAPOR OR CONCENTRATED SULFURIC ACID GENERATED DURING
CHEMICAL PROCESS.TARGET ORGANS:NASA L CAVITY,PARANASAL
SINUS,LUNGS,LARYNX.

Effects of Overexposure:CAUSES EYE BURNS.MAY CAUS ERESPIRATORY TRACT
IRRITATION.BREATHING THE MIST OR VAPOR MAY CAUSE TEETH
ERROSION,MOUTH SORENES AND DIFFICULTY IN BREATHING.

Medical Cond Aggravated by Exposure:P
RE-EXISTING EYE AND RESPIRATORY
CONDITIONS.TARGET ORGANS:NOT DETERMINED.

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

First Aid:EYE/SKIN CONTACT:IMMED FLUSH EYES/SKIN W/WATER FOR
15MINS.REMOVE CONTAMINATED CLOTHING.CALL PHYSICIAN.INGEST:DO NOT
INDUCE VOMIT.GIVE 1-2 GLASSES OF WATER.CALL PHYSICIAN IMMED.NEVER
GIVE ANYTING BY MO UTH TO UNCONSC PERSON.INHAL:REMOVE TO FRESH AIR.

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

Extinguis

hing Media: DRY CHEMICALS DO NOT USE WATER

Unusual Fire/Explosion Hazard: MAY EMIT TOXIC FUMES OF SULFUR OXIDES IN FIRE

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

Spill Release Procedures: COVER SPILL W/ EXCESS SODA ASH OR SODIUM BICARBONATE. SCOOP SLURRY TO BEAKER. ADJUST PH TO BETWEEN 6 AND 9. FLUSH TO DRAIN WITH EXCESS WATER. WASH SITE W/ ALKALI SOLUTION.

Neutralizing Agent: SODA ASH OR SODIUM BICARBONATE. ADJUST PH TO BETWEEN 6 AND 9.

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

Handling and Storage Precautions: STORE TIGHTLY CLOSED IN COOL, DRY PLACE.

Other Precautions: AVOID CONTACT W/ EYE/ SKIN/ CLOTHING. DO NOT BREATHE MIST OR VAPOR.

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

Ventilation: FUME HOOD.

Protective Gloves: RUBBER GLOVES.

Eye Protection: LAB GRADE GOGGLES.

Other Protective Equipment: LAB COAT.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC: C1

Boiling Pt: -100.C, -148.F

Vapor Pres: NOT DETERMINED

Vapor Density: ND

Spec Gravity: 0.990

pH: