

HACH CO. -- 979-09 SULFURIC ACID,ACS -- 6810-00-146-7520

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

Product ID:979-09 SULFURIC ACID,ACS

MSDS Date:06/18/1987

FSC:6810

NIIN:00-146-7520

MSDS Number: BDCKG

=== Responsible Party ===

Company Name:HACH CO.

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010-0642

Country:US

Info Phone Num:303-669-3050 OR 800-227-4224

Emergency Phone Num:515-232-2533 OR 8

00-247-3990

CAGE:91224

=== Contractor Identification ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

CAGE:91224

Company Name:O & S SUPPLY INC.

Address:1001 N. MAIN ST.

Box:1564

City:SUMTER

State:SC

ZIP:29105

Country:US

Phone:803-775-7323

CAGE:3N991

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 100%

O

ther REC Limits:1 MG/CUM
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture: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:PRODUCT IS CORROSIVE TO EYES, SKIN,
AND RESPIRATORY TRACT. MANUFACTURER LISTS NO LONG TERM OR CHRONIC
EFFECTS BEYOND THE CORROSIVITY.
Effects o
f Overexposure:SEVERE BURNS, EROSION OF TEETH, LUNG DAMAGE.
Medical Cond Aggravated by Exposure:NONE

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

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.
SKIN: FLUSH WITH WATER AND REMOVE CONTAMINATED CLOTHING.
INHALATION: REMOVE TO FRESH AIR, GIVE OXYGEN OR CPR IF NEEDED. CALL
A PHYSICIAN. IN GESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS
OF WATER AND AT LEAST ONE OUNCE OF MILK OF MAGNES
IA DILUTED WITH AN
EQUAL AMOUNT OF WATER. CALL A PHYSICIAN.

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

Flash Point:NON-FLAMMABLE
Extinguishing Media:DRY CHEMICAL
Fire Fighting Procedures:DO NOT USE WATER
Unusual Fire/Explosion Hazard:MAY IGNITE OR EXPLODE IN CONTACT WITH
MANY MATERIALS.

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

Spill Release Procedures:NEUTRALIZE SPILL AND CONTAIN WITH NEUTRALIZING
AGENT. SCOOP SLURRY INTO CONTA

INNER FOR DISPOSAL. WASH SITE WITH
SODA ASH SOLUTION.

Neutralizing Agent:SODIUM BICARBONATE OR 50/50 MIX OF SODA ASH AND
SLAKED LIME

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE AWAY FROM
OXIDIZABLE MATERIAL.

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

Respiratory Protection:NO SPECIAL REQUIREMENTS UNDER ORDINARY
CONDITIONS/ADEQUATE VENTILATION.

Ventilation:PROVIDE MECHANICAL (GENERAL/LOCAL EXHAUST) VENTILATION TO
MAINTAIN < TLV

Protective Gloves:PVC, RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:SAFETY SHOWER AND EYE WASH

Work Hygienic Practices:STANDARD CHEMICAL HYGIENE PRACTICES ARE
SUFFICIENT.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:626F,330C

Vapor Pres:1

Vapor Density:3.40

Spec Gravity:1.84

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR,

COLORLESS, OILY LIQUID. NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC COMPOUNDS, OXIDIZING OR REDUCING MATERIALS, ACETIC OR
CHLOROSULFONIC ACIDS.

Stability Condition to Avoid:MOISTURE, HEAT

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

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

Waste Disposal Methods:DISSOLVE IN WATER AND FLUSH DOWN DRAIN I

N

ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume res

ponsibility for the suitability of this information to their particular situation.