

STAUFFER CHEMICAL CO, INDUSTRIAL CHEMICAL DIVISION -- SULFURIC ACID -- 6810-00-975-0707

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

Product ID:SULFURIC ACID

MSDS Date:06/12/1989

FSC:6810

NIIN:00-975-0707

MSDS Number: BKRCZ

=== Responsible Party ===

Company Name:STAUFFER CHEMICAL CO, INDUSTRIAL CHEMICAL DIVISION

Address:CORPORATE DRIVE

Box:881

City:SHELTON

State:CT

ZIP:06484

Country:US

Info Phone Num:203-92

5-3300/CHEMTREC 800-424-9300

Emergency Phone Num:203-925-3300/CHEMTREC 800-424-9300

CAGE:8F901

=== Contractor Identification ===

Company Name:LOS ANGELES CHEMICAL CO

Address:4545 ARDINE ST

Box:1987

City:SOUTH GATE

State:CA

ZIP:90280

Country:US

Phone:213-562-9500

CAGE:75656

Company Name:STAUFFER CHEMICAL CO INDUSTRIAL CHEMICAL DIVISION

Address:CORPORATE DRIVE

Box:881

City:SHELTON

State:CT

ZIP:06484

Country:US

Phone:203-925-3300/CHEMTREC 800-424-9300

CAGE:8F901

===== Composition/Informat

ion on Ingredients =====

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 78- 100%

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 LBS

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

LD50 LC50 Mixture:LD50 ORAL RAT = 2140 MG/KG BODY WEIGHT

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

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

Health Hazards Acute

and Chronic:ACUTE - INGESTION: MOUTH, THROAT, ESOPHAGUS, STOMACH BURNS, GASTRIC PERFORATION, DEATH. INHALATION: SEVERE IRRITATION OF RESPIRATORY TRACT, SNEEZING, COUGHING, AND LUNG DAMAGE. SKIN: BURNING AND CHARRING. EYES: IRREVERSIBLE DAMAGE AND POSSIBLY BLINDNESS. CHRONIC - DERMATITIS, BRONCHITIS, CHRONIC RUNNY NOSE AND BLEEDS

Effects of Overexposure:SPRAY AND MISTS ARE SEVERELY IRRITATING TO THE EYES AND RESPIRATORY TRACT, CAUSING TICKLING OF THE NOSE AND THROAT

. CAUSES CHARRING OF THE SKIN AS A RESULT OF THE GREAT AFFINITY FOR, AND STRONG EXOTHERMIC REACTION WITH WATER.

Medical Condition Aggravated by Exposure:SKIN IRRITATION MAY BE AGGRAVATED IN PERSONS WITH EXISTING SKIN LESIONS. BREATHING OF SPRAYS (SULFURIC ACID MISTS) MAY AGGRAVATE ACUTE OR CHRONIC ASTHMA AND OTHER CHRONIC PULMONARY DISEASE.

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

First Aid:SPEED IS ESSENTIAL. START FIRST AID. GET MEDICAL CARE AT ONCE

E. EYES: HOLD EYELID OPEN AND FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SKIN: WIPE EXCESS WITH A DRY CLOTH. THEN WASH WITH PLENTY OF WATER AND SOAP. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. INGESTION: IF CONSCIOUS, DRINK 2 TO 3 GLASSES OF WATER. DO NOT INDUCE VOMITING.

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

Flash Point:NONCOMBUSTIBLE

Extinguishing Media:EXPECT VIOLENT REACTION WITH WATER. SMALL FIRE: DRY CHEMICAL, CO2, HALON

. LARGE FIRE: USE WATER FROM DISTANCE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. FIGHT FIRE FROM A SAFE DISTANCE. USE ACID RESISTANT EQUIPMENT.

Unusual Fire/Explosion Hazard:USE CARE. WATER APPLIED DIRECTLY TO THIS ACID RESULTS IN EVOLUTION OF HEAT, SPATTERING, AND A VIOLENT REACTION CAUSING NEARBY COMBUSTIBLES TO IGNITE.

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

Spill Release

Procedures:WEAR PROTECTIVE EQUIPMENT.STOP LEAK IF POSSIBLE.SMALL SPILLS SHOULD BE COVERED WITH NA BICARBONATE,SODA ASH,OR LIME.AVOID FOAMING/SPATTERING.PICK UP WITH ABSORBING MATERIAL & TRANSFER TO A SUITABLE CHEMICAL WASTE CONTAINER.DON'T WASH IT DOWN TO SEWER

Neutralizing Agent:LIME OR SODA

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE IN TIGHTLY CLOSED CONTAINERS AWAY FROM SUNLIGHT.

Other Precautions:KEEP IN AN AREA WITH AN ACID RESISTANT CEMENT FLOOR. DO NOT BREATHE SPRAYS OR MISTS. DO NOT INGEST. DO NOT GET IN EYES ,ON SKIN, OR ON CLOTHING. DILUTE ACID BY ADDING IT SLOWLY TO WATER AND MIXING AND COOLING IT.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED MIST FILTER, ACID GAS CARTRIDGE RESPIRATOR. USE POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS FOR EMERGENCY CONDITIONS WHERE EXPOSURE LIMITS ARE EXCEEDED.

Ventilation:LOCAL EXHAUST

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:SINK, SAFETY SHOWER, EYEWASH FOUNTAIN, OXYGEN, FULL-BODY PROTECTIVE CLOTHING.

Work Hygienic Practices:WASH HANDS BEFORE EATING OR DRINKING.

Supplemental Safety and Health

DANGER! CAUSES SEVERE BURNS. REACTS VIOLENTLY WITH WATER. CONTENTS MAY BE UNDER PRESSURE OF EXPLOSIVE HYDROGEN GAS. HIGHLY REACTIVE AND CA

PABLE OF IGNITING COMBUSTIBLE MATERIAL ON CONTACT.

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

HCC:C1

Boiling Pt:B.P. Text:380F,193C

Melt/Freeze Pt:M.P/F.P Text:12F,-11C

Vapor Pres:< 1

Vapor Density:3.4

Spec Gravity:1.7 - 1.8

pH:< 1

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS TO CLOUDY, OILY LIQUID. ODORLESS.

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

Stability Indicator/Materials to Avoid:YES

ORGANICS, CHLORATES, CARBID

ES, FULMINATES, PICRATES, METALS, WATER

Stability Condition to Avoid:HIGH HEAT, MOISTURE

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

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
LOCAL, STATE, AND FEDERAL REGULATIONS. THIS MATERIAL IS RCRA  
HAZARDOUS WASTE D002, CORROSIVE AND D003, REACTIVE. SPILLS ARE  
SUBJECT TO CERLCA REPORTING REQ UIREMENTS: REPORTAB  
LE QUANTITY =  
1000 POUNDS.

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