

CHEMICAL COMMODITIES AGENCY -- O-S-801,SULFURIC ACID,ELECTROLYTE,CL 4 --  
6810-00-904-9372

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

Product ID:O-S-801,SULFURIC ACID,ELECTROLYTE,CL 4

MSDS Date:01/01/1985

FSC:6810

NIIN:00-904-9372

MSDS Number: BFBVVQ

=== Responsible Party ===

Company Name:CHEMICAL COMMODITIES AGENCY

Address:27447 PACIFIC STREET

City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Info Phone Num

:714-864-2310

Emergency Phone Num:714-864-2310

CAGE:00063

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:CHEMICAL COMMODITIES(DIST),KEYSTONE-INGHAM(MFR).

Box:1087R

Phone:213-926-4461

CAGE:00063

Company Name:ELECTROLYTE SUPPLY CO

Address:916 N EASTERN AVE

Box:City:LOS ANGELES

State:CA

ZIP:90063

Country:US

Phone:213-268-8341

CAGE:72815

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

Ingred Name:SULFURIC ACID (SARA III)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 28.0%  
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:ORAL LD50 (RAT) IS 2140 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:  
c.\*\*CORROSIVE\*\* EYES:MAY CAUSE SEVERE IRRITATION,BURNS AND POSSIBLE PERMANENT VISUAL IMPAIRMENT.SKIN:MAY CAUSE SEVERE IRRITATION,BURNS AND ULCERATIONS.INGEST:MAY CAUSE SEVERE GI TRACT IRRITATION.INHAL:MAY CAUSE SEVERE RESPIRATORY IRRITATION.CHRONIC:MAY DAMAGE LUNGS AND TEETH AND CAUSE DERMATITIS.  
Explanation of Carcinogenicity:SULFURIC ACID MISTS ARE CLASSIFIED IARC-2B.  
Effects of Overexposure:WILL CAUSE SEVERE BURNS TO SKIN AND EYES. INHALATION OF MIST FROM HOT SULFURIC ACID CAN BE INJURIOUS TO LUNGS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: SOAK IN WATER OR SWAB GENEROUSLY UP TO 30 MINUTES WHILE AWAITING MEDICAL ATTENTION.

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

Extinguishing Media:DRY CHEMICAL. DO NOT USE WATER ON THIS MATERIAL.  
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS APPROVED BY NIOSH.  
Unusual Fire/Explosion Hazard:SULFURIC ACID REACTS WITH MOST METALS TO PRODUCE HYDROGEN GAS WHICH CAN BE A FIRE AND EXPLOSION HAZARD.

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

Spill Release Procedures:FLUSH WITH PLENTY OF WATER. CAREFULLY NEUTRALIZE ACID WITH SODA ASH OR LIME. SODA ASH AND LIMESTONE WILL RELEASE CARBON DIOXIDE GAS, WHICH REQU

IRRES ADEQUATE VENTILATION.  
Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:FLAMMABLE HYDROGEN GAS IS GENERATED IN STEEL DRUMS AND TANKS CONTAINING SULFURIC ACID. SMOKING, OPEN LIGHTS, AND SPARKS MUST NOT BE PERMITTED IN AREA.

Other Precautions:HYDROGEN GAS BECOMES EXPLOSIVE WHEN MIXED WITH AIR. WHEN DILUTING, ALWAYS ADD ACID TO WATER CAUTIOUSLY WITH AGITATION AS CONSIDERABLE HEAT DEVELOPS. DO NOT MIX SULFURIC ACID WITH WASTES.

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

Respiratory Protection:CHEMICAL CARTRIDGE-TYPE MASK UP TO 1000 PPM.

Ventilation:LOCAL EXHAUST, IF MISTING. MECHANICAL GENERAL, ADEQUATE IN ABSENCE OF MIST

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:FACE SHIELDS, RUBBER APRONS, SAFETY SHOES, PROTECTIVE CLOTHING

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safe

ty and Health

NONE

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

HCC:C1

Boiling Pt:B.P. Text:233F,112C

Vapor Density:2.7

Spec Gravity:1.2135

Solubility in Water:COMPLETE

Appearance and Odor:SLIGHTLY VISCOUS, CLEAR TO SLIGHTLY CLOUDY LIQUID WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLES, NITRATES, CARBIDES, CHLORATES, POWDERED METALS

Stability Condition to Avoid:HIGH HEAT, MOI

STURE

Hazardous Decomposition Products:SULFUR TRIOXIDE, SULFUR DIOXIDE,  
HYDROGEN SULFIDE, HYDROGEN GAS

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

Waste Disposal Methods:CAREFULLY NEUTRALIZE ACID WITH ALKALI. FLUSH TO  
AN APPROVED DISPOSAL AREA WITH PLENTY OF WATER IF PERMITTED BY  
LOCAL AND STATE REGULATIONS. IN SOME CASES, WASTE MAY BE BEST  
HANDLED BY A CHEMICAL DISPO SAL CONTRACTOR LICENSED FOR THIS  
PURPOSE.

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