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: BFVVQ
=== 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:OOO63
=== 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:OOO63
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 Chroni
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:M AY 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

IRES 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.