View NSN Online: https://aerobasegroup.kr/nsn/6810-00-975-0707

## UNOCAL CORPORATION -- SULFURIC ACID -- 6810-00-975-0707

Product ID:SULFURIC ACID MSDS Date:08/23/1991

FSC:6810

NIIN:00-975-0707

Status Code:A

MSDS Number: CJNSR === Responsible Party ===

Company Name: UNOCAL CORPORATION

Address:1201 WEST 5TH STREET

Box:7600

City:LOS ANGELES

State:CA ZIP:90017

Info Phone Num:800-424-9300 800-356-3129,POISN CTL

**Emergency Phone Num:2** 

13-977-7589 CAGE:DO721

=== Contractor Identification ===

Company Name: PROCHEM SPECIALITY PRODUCTS INC

Address:115E 18TH ST Box:City:NATIONAL CITY

State:CA ZIP:91950 Country:US

Phone:619-474-6494

Contract Num:SP0450-99-MNE40

CAGE:65799

Company Name: UNOCAL CORPORATION

Address:1201 WEST 5TH STREET

Box:7600

City:LOS ANGELES

State:CA ZIP:90017

Phone:800-424-9300 800-356-3129, POISN CTL

CAGE:DO721

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

Ingred Name:SULFURIC ACID

CAS:7664-

93-9

RTECS #:WS5600000 Minumum % Wt:93.

Maxumum % Wt:99.
OSHA PEL:1 MG/CUM

ACGIH TLV:1 MG/CUM=IC EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:SULFUR DIOXIDE

CAS:7446-09-5

RTECS #:WS4550000 Other REC Limits:2 PPM OSHA PEL:13 MG/CUM ACGIH TLV:5.2 MG/CUM

Ingred Name:WATER CAS:7732-18-5 RTECS #:ZC0110000 Minumum % Wt:1. Maxumum % Wt:7.

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

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

Reports of Carcinogenicity:N
TP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic: EYES: SEVERE BURNS,

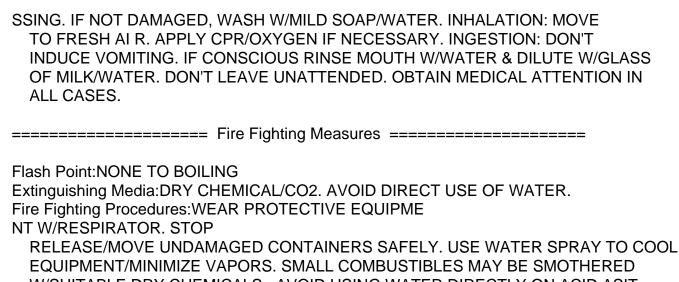
CORNEAL/IRREVERSIBLE DAMAGE. SKIN: SEVERE BURNS/IRRITATING/DAMAGE. INHALATION: SEVERE IRRITATION/BURNS OF THE NOSE, THROAT/RESPIRATORY TRACT. INGESTION: HARMFUL/FATAL. SEVERE IRRIT ATION/BURNS OF THE MOUTH, THROAT & DIGESTIVE TRACT.

Explanation of Carcinogenicity:SULFUR DIOXIDE: A4 GROUP; SULFURIC ACID: A2 FOR MIST.

- Effects of Overexposure:IRRITATION, BURNS, STINGING, TEARING, REDNESS, SWELLIN
- G. NOTE TO PHYSICIAN: INGESTION- LONG TERM COMPLICATIONS MAY INCLUDE ESOPHAGEAL, GASTRIC/PYLORIC STRICTURES & STENOSIS. CASE STUDIES SUGGEST THAT ACID INGESTION MAY INCREASE THE RISK OFSTOMACH CANCER.

Medical Cond Aggravated by Exposure: PRE-EXISTING SKIN & LUNG DISORDERS.

First Aid:EYES: MOVE TO FRESH AIR. FLUSH W/CLEAN WATER FOR 30 MINS. SKIN: FLUSH W/LARGE AMOUNTS OF WATER. IF DAMAGED, APPLY A CLEAN DRE



W/SUITABLE DRY CHEMICALS. AVOID USING WATER DIRECTLY ON ACID ASIT EVLOVES HEAT AND CAUSES SPLATTERING.

Unusual Fire/Explosion Hazard: MATERIAL MAY IGNITE COMBUSTIBLES & ATTACKS COMMON METALS. CLOSED CONTAINERS EXPOSED TO EXTREME HEAT MAY RUPTURE. VAPORS ARE > AIR & ACCUMULATE IN LOW AREAS.

===========		Accident	al Re
lease Measures	=====	======	

Spill Release Procedures: STAY UPWIND/AWAY. ISOLATE AREA. STOP RELEASE W/O RISK. KEEP COMBUSTIBLES AWAY. WEAR PROTECTIVE EQUIPMENT. PREVENT FROM ENTERING WATERWAYS/DRAINAGE SYSTEMS, DIKE, ABSORB W/INERT NON-COMBUSTIBLE MATERIA L/PLACE IN SEALED CONTAINERS. NEUTRALIZE RESIDUE WITH DILUTE SOLUTION OF LIME OR SODIUM CARBONATE.

Neutralizing Agent: SOLUTION OF LIME OR SODIUM CARBONATE.

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

Handling and Storage Precautions: USE/STORE IN COOL, DRY, WELL VENTILATED AREA AWAY FROM ORGANICS. KEEP CONTAINERS CLOSED. STORE ONLY IN APPROVED CONTAINERS, PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions: DON'T GET IN EYES/SKIN/CLOTHING. DON'T BREATHE VAPOR/MIST. DON'T TASTE/SWALLOW. THIS PRODUCT HAS A GREAT AFFINITY FOR WATER. ABSTRACTING IT FROM THE AIR/ORGANIC SUBSTANCES, WILL CHAR WOOD.

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

Respiratory Protection: USE RESPIRATORY PROTECTION WHEN CONCENTRATIONS EXCEED THE EXPOSURE LIMITS. DEPENDING ON THE AIRBORNE CONCENTRATION, USE A POWERED AIR PURIFYING RESPIRATOR WITH HEPA FILTER OR A SUPPLIED AIR RESPIRATOR. NIOSH APPROVED IF AVAILABLE. DO NOT USE A CHEMICAL CARTRIDGE RESPIRATOR.

Ventilation:IF CURRENT PRACTICES ARE NOT ADEQUATE TO MAINTAIN CONCENTRATIONS < EXPOSURE LIMITS, ADDITIONAL EXHAUST IS REQUIRED.

Protective Gloves: IMPERMEABLE

Eye Protection:F

ACE SHIELD/CHEMICAL GOGGLES.

Other Protective Equipment:IMPERVIOUS CLOTHING, EYE WASH & QUICK DRENCH SHOWER.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING. USE GOOD PERSONAL HYGIENE PRACTICE.

Supplemental Safety and Health

NOTE TO PHYSICIAN: ACID INGESTION MAY CAUSE GASTROESOPHAGEAL PERFORATION/ABSCESS FORMATION W/IN 72 HOURS/WEEKS LATER.

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

HCC:C1 Boili

ng Pt:B.P. Text: 260-538F

Vapor Density:3.4 Spec Gravity:1.82-1.84

Evaporation Rate & Description Reference: (N-BU AC=1):