

DOMINION CHEMICAL COMPANY -- O-S-801, SULFURIC ACID, ELECTROLYTE, CLASS --  
6810-00-904-9372

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

Product ID:O-S-801, SULFURIC ACID, ELECTROLYTE, CLASS

MSDS Date:01/01/1985

FSC:6810

NIIN:00-904-9372

MSDS Number: BNKRB

=== Responsible Party ===

Company Name:DOMINION CHEMICAL COMPANY

Address:PUDDLEDOCK RD

Box:1069

City:PETERSBURG

State:VA

ZIP:23803

Country:US

Info Phone

Num:804-733-7628

Emergency Phone Num:804-733-7628

Preparer's Name:DGSC-SSH

CAGE:9A273

=== Contractor Identification ===

Company Name:DOMINION CHEMICAL CO

Address:2050 PUDDLEDOCK RD

Box:1069

City:PETERSBURG

State:VA

ZIP:23803

Country:US

Phone:804-733-7628

CAGE:9A273

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: VARIES

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 919

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:SEVERE BURNS.

Explanation of Carcinogenicity:SULFURIC ACID MISTS ARE CLASSIFIED  
IARC-2B.Effects of Overexposure:INHALATION: IRRITATION OF THE MUCOUS MEMBRANES  
TO PNEUMONITIS. EYES AND S

KIN: CAUSES BURNS. CAN RESULT IN

PERMANENT EYE DAMAGE AND LOSS OF VISION. INGESTION: ACID BURNS TO  
MOUTH, ESOPHAGUS, STOMACH, AND OTHER TISSUE. LARGE AMOUNTS CAN BE  
FATAL.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS  
OPEN. SKIN: FLUSH WITH WATER WHILE REMOVING CONTAMINATED CLOTHING.

INHALATION: REMOVE TO FRESH AIR

. IF NOT BREATHING PERFORM CPR. IF

BREATHING IS DIFFICULT, GIVE OXYGEN. INGESTION: DO NOT INDUCE  
VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNTS OF MILK OR WATER. IN  
ALL CASES, SEEK IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE

Lower Limits:NONFLAMMABLE

Upper Limits:NONFLAMMABLE

Extinguishing Media:SUITABLE DRY CHEMICAL. USE WATER WITH CARE. AVOID  
SPLATTERING.Fire Fighting Procedures:WEAR FULL PROTECTIVE  
GEAR INCLUDING SELF-CONTAINED BREATHING APPARAATUS. LIQUID IS CORROSIVE. DILUTION WITH  
WATER MAY LIBERATE HEAT WHICH CAN CAUSE BOILING.Unusual Fire/Explosion Hazard:MAY PRODUCE HAZARDOUS DECOMPOSTION  
PRODUCTS. READILY ATTACKS SOME METALS TO LIBERATE  
FLAMMABLE/EXPLOSIVE HYDROGEN GAS.

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

Spill Release Procedures:COVER WITH SODIUM CARBONATE OR AN EQUAL  
MIXTURE OF SODA ASH AND SLAKED LIME. AFTER MIXING, ADD WAT

ER IF  
NECESSARY TO FORM A SLURRY.  
Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE.  
SEPARATE FROM CARBIDES, CHLORATES, FULMINATES, NITRATES, PICRATES,  
POWDERED METALS  
Other Precautions:PREVENT CONTACT WITH WATER. AVOID CONTACT WITH  
COMBUSTIBLES.

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

Respiratory Protection:CHEMICAL CARTRIDGE RESPIR  
ATOR  
Ventilation:LOCAL EXHAUST. USE WITH ADEQUATE VENTILATION.  
Protective Gloves:RUBBER  
Eye Protection:SAFETY GOGGLES  
Other Protective Equipment:RUBBER BOOTS, EMERGENCY EYEWASH/SHOWER  
Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING, DRINKING, OR SMOKING.  
Supplemental Safety and Health  
NONE

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

HCC:C1  
Boiling Pt:B.P. Text:235F,113C  
Vapor Pres:1.4  
Vapor Density:2.0  
Spec Gravity:1.30  
Sol  
ubility in Water:COMPLETE  
Appearance and Odor:COLORLESS, CLEAR LIQUID WITH A SLIGHT ACIDIC ODOR.

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

Stability Indicator/Materials to Avoid:YES  
ALKALINE MATERIALS, ORGANICS, MAGNESIUM, ALUMINUM, ZINC, CAUSTICS,  
ALKALI  
Stability Condition to Avoid:EXTREME TEMPERATURES, MOISTURE  
Hazardous Decomposition Products:OXIDES OF SULFUR, HYDROGEN SULFIDE,  
HYDROGEN GAS

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

==

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER, OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL 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 discla

ims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.