

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 APPARATUS. LIQUID IS CORROSIVE. DILUTION WITH  
WATER MAY LIBERATE HEAT WHICH CAN CAUSE BOILING.Unusual Fire/Explosion Hazard:MAY PRODUCE HAZARDOUS DECOMPOSITION  
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 =====

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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.

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