

DOMINION CHEMICAL COMPANY -- O-S-801,SULFURIC ACID,ELECTROLYTE -- 6810-00-893-8138  
===== Product Identification =====

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

MSDS Date:01/01/1985

FSC:6810

NIIN:00-893-8138

MSDS Number: BFVDB

=== 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

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: 37%.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 63%.

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Effects of Overexposure:SEVERE BURNS TO SKIN AND EYES. RESPIRATORY  
IRRITATION ON INHALATION OF VAPORS/MIST.

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

First Aid:SKIN AND EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15  
MINUTES WHILE REMOVING CON  
TAMINATED CLOTHING AND SHOES. CALL A  
DOCTOR. INHALATION: REMOVE PERSON TO FRESH AIR. GET PROMPT MEDICAL  
ATTENTION.

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

Extinguishing Media:DRY CHEMICAL.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:ACID REACTS WITH MOST METALS TO GIVE  
FLAMMABLE HYDROGEN GAS.

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

Spill Release Procedures:WEAR FULL PROTECTIVE CLOTH  
ING. REMOVE SOURCES  
OF IGNITION. FLUSH AWAY BY FLOODING WITH WATER APPLIED QUICKLY TO  
ENTIRE AREA.  
Neutralizing Agent:SODA ASH, LIME

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE AND  
WATER CONTACT.  
Other Precautions:REACTS VIOLENTLY WITH WATER ACCOMPANIED BY HEAT  
EVOLUTION. SULFURIC ACID ATTACKS MANY METALS RELEASING FLAMMABLE  
HYDROGEN GAS.

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===== Exposure Controls/Personal Prote

ction =====

Respiratory Protection:NONE FOR NORMAL USE

Ventilation:MAINTAIN ADEQUATE VENTILATION

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:RUBBER GAUNTLETS, APRON, HOOD OR HARD HAT

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:C1

Boiling Pt:B.P. Text:234F,112C

Vapor Pres:11

Spec Gravity:1.281

Evaporation Rate & Referenc

e:< 1

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH NO ODOR.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

STRONG REDUCING AGENTS, POWDERED METALS, CYANIDES, SULFIDES

Stability Condition to Avoid:HIGH HEAT, MOISTURE

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

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

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Waste Disposal Methods:FLUSH AS INDICATED. NEUTRALIZE WASHINGS WITH  
LIME OR SODA ASH. FLUSH TO APPROPRIATE CONTAINMENT SYSTEM. TAKE  
CARE NOT TO GET WATER IN SULFURIC ACID STORAGE TANKS AS VIOLENT  
REACTION WILL OCCUR.

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