

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 Pho

ne 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;

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 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
D SKIN: 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 PROTECT
IVE 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

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

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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Respiratory Protection:CHEMICAL CARTRIDGE RES
PIRATOR
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

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

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Stability and Reactivity Data
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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

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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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