

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; 91

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

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 AI

R. 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 PROTECTIV

E 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 WA

TER 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 RESPI
RATOR
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
So
lubility 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 discl

aims 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.