

DOMINION CHEMICAL CO -- O-S-801, CL3 -- 6810-00-249-9354

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

Product ID:O-S-801, CL3

MSDS Date:01/01/1987

FSC:6810

NIIN:00-249-9354

MSDS Number: BDNSM

=== Responsible Party ===

Company Name:DOMINION CHEMICAL CO

Address:PUDDLEDOCK RD

Box:1069

City:PETERSBURG

State:VA

ZIP:23803

Country:US

CAGE:9A273

=== Contractor Identification ===

Company Name:DOMINION CHEMICAL CO

A

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: 37.5%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcin

ogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:SEVERE BURNS TO SKIN, EYES AND ALL BODY TISSUE ON CONTACT. RESPIRATORY IRRITATION ON INHALATION OF VAPOR.

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

First Aid:FLUSH SKIN OR EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN. FOR INHALATION, REMOVE PERSON TO FRESH AIR. GET PROMPT MEDICAL ATTENTI ON.

=====  
Fire Fig  
hting Measures  
=====

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL, DO NOT USE WATER ON ACID.

Fire Fighting Procedures:WEAR NIOSH/MSHA RESPIRATOR AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:THE ACID REACTS WITH MOST METALS TO GIVE FLAMMABLE HYDROGEN GAS.

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

Spill Release Procedures:WEAR FULL PROTECTIVE CLOTHING. REMOVE SOURCES OF IGNITION. 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

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

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

Other Precautions:SEPARATE FROM COMBUSTIBLE MATERIALS, WEAR RUBBER GLOVES, CHEMICAL GOGGLES, RUBBER BOOTS AND A CHEMICAL CARTRIDGE RESPIRATOR.

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

Respiratory Protection:NONE FOR NORMAL USE

Ventilation:AS REQUIRED TO CONTROL TLV IN AIR. LOCAL EXHAUST IS ACCEPTED.

Protective Gloves:RUBBER

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:RUBBER GAUNTLETS, RUBBER APRON

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:0

Spec Gravity:1.2809

Evaporation Rate & Reference:< 0.1 (BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

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

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG REDUCING AGENTS, POWDERED METALS, COMBUSTIBLES, PICRATES,  
ORGANIC MATERIALS

Stability Condition to Avoid:HIGH HEAT, MO  
ISTURE

Hazardous Decomposition Products:OXIDES OF SULFUR, HYDROGEN SULFIDE,  
HYDROGEN GAS

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

Waste Disposal Methods:ADD SLOWLY TO A LARGE AMOUNT OF SOLUTION OF SODA  
ASH AND SLAKED LIME BY STIRRING. DISCHARGE THE SOLUTION WITH LARGE  
AMOUNT OF WATER INTO AN APPROVED STORAGE CONTAINER AND SHIP TO AN  
APPROVED DISPOSAL AREA.

Disclaimer (provided with this information by the compiling agencies):

This information is f

ormulated 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  
disclaims 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.