



SULFURIC ACID(OIL OF VITRIOL)/

MSDS Number

BBCFG

National Stock Number

6810-00D000064

Product Name

SULFURIC ACID(OIL OF VITRIOL)/

Manufacturer

STAUFFER CHEMICAL CO

Product Identification

Product ID:SULFURIC ACID(OIL OF VITRIOL)/

MSDS Date:01/01/1985

FSC:6810

NIIN:00D000064

MSDS Number: BBCFG

Responsible Party

STAUFFER CHEMICAL CO

NYALA FARMS RD

WESTPORT , CT 06880-6240

US

Cage: DO667

Contractor

STAUFFER CHEMICAL COMAPNY

WESTPORT, CT 06881

US

(203) 226-6602

Cage: DO667

Ingredients

SULFURIC ACID (SARA III)

CAS: 7664-93-9

RTECS: WS5600000

Fraction By Weight: 93.2%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Effects of Overexposure:INGESTION: MAY CAUSE SEVERE DAMAGE. EYES:
SEVERE BURNS. SKIN: DESTRUCTIVE TO BODY TISSUES. INHALATION: LUNG
DAMAGE.

First Aid

First Aid:INGESTION: GIVE LARGE AMOUNTS OF WATER. INDUCE VOMITING. EYE:
PROMPTLY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. DO NOT



USE OILS OR OINTMENTS IN EYES. SKIN: PROMPTLY FLUSH WITH WATER.
CALL DOC TOR. INHALATION: MOVE TO FRESH AIR. KEEP PATIENT WARM.
CALL DOCTOR.

Fire Fighting

Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, OR FOG SPRAY.
Fire Fighting Procedures: COOL TANK WITH WATER, USE SELF-CONTAINED
BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: EXTREMELY HAZARDOUS IN CONTACT WITH MANY
MATERIALS. ATTACKS AND CORRODES MANY METALS BY RELEASE OF HYDROGEN
GAS.

Accidental Release

Spill Release Procedures: SULFURIC ACID LEAKS, SPILLS, OR DRAININGS MUST
NOT COME IN CONTACT W/ SULFIDES WASTES, SUCH AS IN SEWERS, BECAUSE OF
EVOLUTION OF HYDROGEN SULFIDE GAS. COVER W/ SODIUM CARBONATE OR AN
EQUAL MIXTURE OF SODA ASH & SLAKED LIME. ADD WATER AFTER MIX TO FORM
SLUR

Handling

Handling and Storage Precautions: SULFURIC ACID MAY BE SAFELY STORED IN
BULK STORAGE TANKS PROPERLY DESIGNED-PROTECT CONTAINERS AGAINST
PHYSICAL DAMAGE & PREVENT CONTACTS W/ WATER.
Other Precautions: SEPARATE FROM CARBIDES, CHLORATES, FULMINATES, NITRATES,
PICRATES, POWDERED METALS & CHEM. GOGGLES, RUBBER BOOTS &
CHEM. CARTRIDGE RESPIRATOR.

Exposure Controls

Respiratory Protection: SELF-CONTAINED BREATHING APPARATUS OR APPROVED
CANISTER OR AIR MASK.
Ventilation: LOCAL EXHAUST IS RECOMMENDED
Protective Gloves: RUBBER
Eye Protection: SAFETY GOGGLES
Other Protective Equipment: SAFETY SHOWERS, EYE WASH FOUNTAINS, FACE
SHIELD, RUBBER SHOES.
Supplemental Safety and Health
SPILLS OR LEAKS (CONTD): CONTAMINATED AREA SHOULD BE IMMEDIATELY ZONED
OFF TO AVOID ANYONE BEING EXPOSED TO ACID SPRAY OR STREAM, ADJUST
VALVES TO ISOLATE SYSTEM & STOP FURTHER LEAKAGE. NEUTRALIZE

Chemical Properties

HCC: C1
Boiling Pt: B.P. Text: 597F, 314C
Vapor Pres: 1.0
Spec Gravity: 1.834
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR, COLORLESS TO CLOUDY LIQUID. ODORLESS.

Stability

Stability Indicator/Materials to Avoid: YES
NITRATES, CARBIDES, CHLORATES, FULMINATES, PICRATES, COMBUSTIBLES.
Stability Condition to Avoid: DO NOT ADD WATER TO ACID - A LARGE AMOUNT
OF HEAT WILL BE PRODUCED.
Hazardous Decomposition Products: WHEN HEATED EMITS HIGHLY TOXIC FUMES,
HYDROGEN GAS ON CONTACT WITH METALS.

Disposal

Waste Disposal Methods: ADD SLOWLY TO A LARGE AMT OF SOLUTION OF SODA
ASH & SLAKED LIME BY STIRRING. DISCHARGE THE SOLUTION W/ LARGE AMT OF
WATER INTO AN APPROVED DISPOSAL AREA.

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