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 A SH & SLAKED LIME.ADD WATER AFTER MIX TOFORM 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,CALORATES,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 SOLUITON W/LARGE AMT OF WATER INTO AN APPROVED DISPOSAL AREA.

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