

SULFURIC ACID (37.47% TO 100%)

MSDS Number

BBCQJ

National Stock Number

6810-00D000404

Product Name

SULFURIC ACID (37.47% TO 100%)

Manufacturer

ALLIED CHEMICAL CORP

Product Identification

Product ID:SULFURIC ACID (37.47% TO 100%)

MSDS Date:01/01/1985

FSC:6810

NIIN:00D000404

MSDS Number: BBCQJ

Responsible Party

ALLIED CHEMICAL CORP

COLUMBIA RD & PARK AVE

MORRISTOWN , NJ 07960

US

Cage: 1L168

Contractor

ALLIED-SIGNAL INC

1087R

MORRISTOWN, NJ 07962-2332

US

201-455-4414

Cage: 1L164

Ingredients

SULFURIC ACID (SARA III)

CAS: 7664-93-9

RTECS: WS5600000

Fraction By Weight: 68.0%

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:CAUSES SEVERE BURNS TO SKIN AND EYES.

INHALATION OF MIST FROM HOT ACID CAN BE INJURIOUS TO LUNGS.

First Aid

First Aid:IN CASE OF CONTACT IMMEDIATELY FLUSH SKIN OR EYES WITH PLENTY

OF WATER FOR AT LEAST 15 MIN.FOR EYES OR SKIN BURNS GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Fire Fighting Procedures:GAS MASK WITH SULFURIC ACID ABSORBING CANISTER APPROVED BY BUMINES.

Unusual Fire/Explosion Hazard:SULFURIC ACID REACTS WITH STEEL AND MANY COMMON METALS TO PRODUCE HYDROGEN GAS WHICH CAN BE AN EXPLOSION HAZARD.

Accidental Release

Spill Release Procedures:FLUSH WITH WATER & NEUTRALIZE ACID WITH SUCH AS SODA ASH,LIME,ETC;SODA ASH & LIMESTONE WILL RELEASE CO2 GAS REQUIRING ADEQUATE VENTILATION.

Handling

Handling and Storage Precautions:FLAMMABLE HYDROGEN GAS IS GENERATED IN STEEL DRUMS & TANKS CONTAINING H2SO4.SMOKING,OPEN LIGHTS OR SPARKS MUST NOT BE PERMITTED IN SUCH AREAS.

Other Precautions:WHEN DILUTING,ALWAYS ADD THE ACID TO THE WATER CAUTIOUSLY WITH AGITATION AS CONSIDERABLE HEAT IS DEVELOPED.UNNEATRALIZED ACID MUST NOT CONTACT SULFIDE WASTES TO AVOID EVOLUTION OF H2S GAS

Exposure Controls

Respiratory Protection:INDUSTRIAL CANNISTER TYPE GAS MASK APPD BY N.S. BUREAU OF MINES

Ventilation:LOCAL EXHAUST AS REQUIRED TO REMOVE ANY MISTS OF TOXIC GASES

Protective Gloves:RUBBER

Eye Protection:CHEM.SAFETY GOGGLES.

Other Protective Equipment:RUBBER APRONS,RUBBER SAFETY SHOES & OTHER PROTECTIVE CLTHG.

Supplemental Safety and Health

SPECIFIC GRAVITY OF ITEM IS 1.285-1.8473. UNUSUAL FIRE & EXPLOSION HAZ.(CONTD):AS A FIRE HAZARD.AVOID SPRAYING WATER INTO SULFURIC STG TANKS.OTHER PRECAUTIONS:AVOID ORGANICS,CLO3

Chemical Properties

HCC:C1

Boiling Pt:B.P. Text:233F-625F

Vapor Pres:0.0

Spec Gravity:1.285 - 1.8473

Evaporation Rate & Reference:< 1.0 (ETHER)

Solubility in Water:COMPLETE

Appearance and Odor:SLIGHTLY VISCOUS, CLEAR TO SLIGHTLY CLOUDY LIQUID. ODORLESS.

Stability

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH COMBUSTIBLE MATERIALS, NITRATES, CARBIDES, CLO3

Hazardous Decomposition Products:SULFUR TRIOXIDE GAS

Disposal

Waste Disposal Methods:NEUTRALIZE ACID WITH ALKALI & FLUSH TO AN APPROVED WASTE DISPOSAL AREA WITH PLENTY OF WATER IF PERMITTED BY LOCAL & STATE REGULATIONS.IN SOME CASES,WASTE MAY HAVE TO BE HAULED AWAY BY A DISPOSAL CONTR ACTOR.

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