SULFURIC ACID

MSDS Number

BBCTQ

National Stock Number

6140-00D000486

Product Name

SULFURIC ACID

Manufacturer

K W BATTERY CO

Product Identification

Product ID:SULFURIC ACID
MSDS Date:01/01/1985
FSC:6140
NIIN:00D000486
MSDS Number: BBCTQ

Responsible Party

K.W. BATTERY CO.

Cage: DO995

Contractor

K.W. BATTERY CO.

SKOKIE, IL 60076-4012

US

708-982-9060/800-424-9300(CHEMTREC)

Cage: DO995

Ingredients

SULFURIC ACID (SARA III)

CAS: 7664-93-9

RTECS: WS5600000

Fraction By Weight: 38.0%

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

Effects of Overexposure:CONJUNCTIVITIS,CORNEAL NECROSIS,DERMATITI SKIN BURNS,ULCERATION,IRRIT OF NOSE,THROAT,EDEMA,ANURIA.

First Aid

First Aid:ADEQUATE VENTILATION.IRRIGATE EYES W/WATER.WASH CONTAMINATED AREA OF BODY W/SOAP&WATER.STOMACH WASH,IF SWALLOWED.OXYGEN,WITH USE OF INTERMITTENT POSITIVE-PRESSURE BREATHING APPARATUS:5 % SOLN OF SODIU M BICARBONATE AS AEROSOL MAY BE USED.

Fire Fighting

Extinguishing Media:DRY CHEMICAL
Fire Fighting Procedures:USE SUITABLE DRY CHEMICAL,DO NOT APPLY H*2O DIRECTLY TO ACID

Unusual Fire/Explosion Hazard:AVOID CONTACT WITH METALLIC SULPHIDES

Accidental Release

Spill Release Procedures:VENTILATE ROOM.COVER WITH SODIUM CARBONATE OR AN EQUAL MIXTURE OF SODA ASH AND SLAKED LIME.AFTER MIXING,ADD WAT IF NECESSARY TO FORM A SLURRY.

Handling

Handling and Storage Precautions:PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE & PREVENT CONTACTS WITH WATER.SEPARATE FROM CARBIDES,CHLORATES FULMINATES,NITRATES,PICRATES,POWDERED METALS
Other Precautions:SEPARATE FROM COMBUSTIBLE MATERIALS.WEAR RUBBER GLOVES,CHEMICAL GOGGLES,RUBBER BOOTS & CHEMICAL CARTRIDGE RESPIRATOR.

Exposure Controls

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS IS TLV IS EXCEEDED
Ventilation:LOCAL EXHAUST IS RECOMMENDED
Protective Gloves:RUBBER
Eye Protection:SAFETY GOGGLES.
Other Protective Equipment:ADEQUATE PROTECTION AGAINST CONTACT SHOULD BE PROVIDED
Supplemental Safety and Health

Chemical Properties

HCC:C2
Boiling Pt:B.P. Text:235F
Vapor Pres:60
Spec Gravity:1.280
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQUID,SULFURIC ACID ODOR.

Stability

Stability Indicator/Materials to Avoid:YES
CHLORATES,METAL POWDERS,SULPHITES,NITRATES,CARBIDES,COMBUSTS
Hazardous Decomposition Products:SULFUR COMPDS,H*2 GAS IN CONTACT WITH MAY METALS IS EVOLVED

Disposal

Waste Disposal Methods:ADD SLOWLY TO SODA ASH & SLAKED LIME BY STIRRING.DISCHARGE THE SOLUTION WITH LARGE AMT OF WATER INTO A SINK LINED WITH PROTECTIVE MATTING & FILLED WITH CHIPPED MARBLE.

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