

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 WATER 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 COMPOUNDS, H₂ 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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