



## **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, H<sub>2</sub> GAS IN CONTACT WITH MANY 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.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.