

BARTLETT CHEMICALS -- BATTERY FLUID,SULFURIC ACID CLASS II -- 6810-01-031-4652

===== Product Identification =====

Product ID:BATTERY FLUID,SULFURIC ACID CLASS II

MSDS Date:12/17/1993

FSC:6810

NIIN:01-031-4652

MSDS Number: BXFRR

=== Responsible Party ===

Company Name:BARTLETT CHEMICALS

Address:4955 RIVER ROAD

City:JEFFERSON

State:LA

ZIP:70121

Country:US

Info Phone Num:504-734-1971

Emergency Phone N

um:504-734-1971

CAGE:1V771

=== Contractor Identification ===

Company Name:BARTLETT CHEMICALS

Address:4955 RIVER ROAD

Box:10710

City:JEFFERSON

State:LA

ZIP:70121

Country:US

Phone:504-734-1971

CAGE:1V771

===== Composition/Information on Ingredients =====

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 49 - 51%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3/3 STEL; 9495

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000

LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

===== Hazards Identification =====

LD50 LC50 Mixture:RAT,LC50:510MG/M3/2H;LD50:2140MG/KGRTECS  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &  
GI TRACTS. ACUTE- CORROSIVE  
! CAUSES SEVERE EYES & SKIN BURNS. MIST  
IS EXTREMELY IRRITATING TO RESPIRATORY TRACT. CONTACT WITH EYES MAY  
RESULT IN BLINDNESS. SWALL OWING MAY BE FATAL. INHALATION MAY  
DAMAGE RESPIRATORY TRACT. CHRONIC- MAY CAUSE DENTAL EROSION,  
DERMATITIS, BRONCHITIS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:SEVERE IRRITATION AND BURNING, VISUAL  
IMPAIRMENT, DENTAL EROSION, COUGH, POSSIBLE CHARRING OF SKIN, PAIN,  
BLINDNESS  
Medical Cond Aggravated by Exposure:OPEN WOUN  
DS AND SORES, RESPIRATORY  
AILMENTS SUCH AS EMPHYSEMA AND BRONCHITIS

===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IMMEDIATELY. EYE/SKIN:IMMEDIATELY FLUSH  
WITH WATER FOR 15-20 MINUTES. HOLD EYELIDS OPEN. CONTINUE RINSING  
WITH NORMAL SALINE UNTIL PH=7. INHALED:REMOVE TO FRESH AIR. PROVIDE  
OXYG EN/CPR IF NEEDED. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS,  
DRINK LARGE AMOUNT OF WATER/MILK. INGESTED ACID MUST BE DILUTED  
  
ABOUT 100 FOLDS. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS.

===== Fire Fighting Measures =====

Flash Point:NONFLAMMABLE  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, SAND, FOAM/DRY  
CHEMICAL. COOL FIRE EXPOSED CONTAINERS WITH WATER. NO WATER OVER  
ACID.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Ha

zard:VIOLENT REACTION WITH WATER. EVOLUTION OF  
EXPLOSIVE HYDROGEN GAS ON CONTACT WITH MOST METALS. WILL REACT WITH  
ORGANIC MATERIAL YIELDING HEAT & DENSE WHITE FUMES

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. REMOVE IGNITION  
SOURCES(H<sub>2</sub> MAY BE PRESENT). KEEP COMBUSTIBLES AWAY. STOP LEAK IF  
POSSIBLE. VENTILATE & NEUTRALIZE WITH SODA ASH/LIME. ABSORB WITH  
INERT MATERIAL. SCOOP INTO DRUM. DO NOT GET W

ATER INSIDE

CONTAINER/SPILL.

Neutralizing Agent:SUITABLE ALKALI SUCH AS LIME OR SODA ASH

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER,  
AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:WHEN DILUTING, SLOWLY ADD ACID TO WATER WHILE  
STIRRING, TO AVOID SPATTERING, BOILING AND ERUPTION. DO NOT STRIKE  
CONTAINERS OR FITTINGS WITH TOOLS. STORE AWAY FROM SOURCES OF

IGNITION. EMPTIED CONTAIN ER WILL RETAIN PRODUCT RESIDUE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED, FULL-FACED RESPIRATOR WITH  
CANISTER APPROVED FOR SULFURIC ACID VAPOR & MIST IF TLV EXCEEDED.  
IF CONCENTRATIONS ARE HIGH/UNKNOWN, USE SELF-CONTAINED BREATHING  
APPARATUS.

Ventilation:PROVIDE VENTILATION TO CONTROL EXPOSURE LEVELS BELOW  
AIRBORNE EXPOSURE LIMITS. USE LOCAL EXHAUST VENTILATION.

Protective Gloves

:RUBBER

Eye Protection:SPLASH-PROOF CHEMICAL SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, RUBBER FOOTWEAR, ACID  
RESISTANT HOOD AND FULL BODY SUIT RECOMMENDED, SAFETY SHOWER,  
EYEWASH.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:640F,338C

Vapor Pres:VARIABLE

Sp

ec Gravity:1.3945 - 1.4042

pH:1.0

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR LIQUID - PRACTICALLY ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACETALDEHYDE, ALCOHOLS, STRONG BASES, CHLORATES, NITRATES, CARBIDES,  
MOST METALS, ORGANIC MATERIALS, WATER, PICRATES

Stability Condition to Avoid:ADDING WATER TO ACID (ALWAYS ADD ACID  
SLOWLY TO WATER)

Hazardous Decomposition Products:TOXIC OXIDES OF SULFUR

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF SPILLED, NEUTRALIZED, OR WASTE  
PRODUCT, CONTAMINATED SOIL, AND OTHER MATERIALS IN ACCORDANCE WITH  
ALL LOCAL, STATE, AND FEDERAL REGULATIONS. EPA HAZARDOUS WASTE  
NUMBER D002. REPORTABLE QUAN TITY (RQ): 1000 LBS. DO NOT FLUSH ACID  
TO SEWER.

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