

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

Num: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

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===== 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- CORROSIV
E! 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 WOU
NDS AND SORES, RESPIRATORY
AILMENTS SUCH AS EMPHYSEMIA AND BRONCHITIS

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===== 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.

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===== 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 H

azard: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(H₂ 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

WATER 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 O

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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 Glove

s: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

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pec 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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