

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 Phon

e 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:10

00 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- CORROS

IVE! 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 W

OUNDS AND SORES, RESPIRATORY

AILMENTS SUCH AS EMPHYSEMA 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

Hazard: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 GE

T 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
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 Glo
ves: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

Spec 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

===== 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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