

AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV -- SULFURIC ACID, 60 DEGREE BE', 66 DEGREE BE' -- 6810-00-227-1845

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Product Identification
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Product ID:SULFURIC ACID, 60 DEGREE BE', 66 DEGREE BE'
MSDS Date:09/20/1989
FSC:6810
NIIN:00-227-1845
MSDS Number: BJPYS
==== Responsible Party ====
Company Name:AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV
Address:1 CYANAMID PLAZA
City:WAYNE
State:NJ
ZIP:07470
Country:US
Info Phone Num:201-835-3100
Emergency Phone Num:201-835-3100
CAGE:06404

==== Contractor Identification ====
Company Name:AMERICAN CYANAMID CO LEDERLE LABORATORIES DIV
Address:1 CAMPUS DR
Box:City:PARSIPPANY
State:NJ
ZIP:07054-4404
Country:US
Phone:973-683-2000
CAGE:06404

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Composition/Information on Ingredients
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Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 93.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/
M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR LUNG INFLAMMATION. MAY CAUSE SEVERE BURNS TO SKIN O

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EYES. INGESTION MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, AND STOMACH. MAY AFFECT KIDNEY FUNCTION. CHRONIC: MAY DAMAGE LUNGS.

Explanation of Carcinogenicity: THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure: SEVERE IRRITATION OR BURNS TO EYES, NOSE AND THROAT. PULMONARY EDEMA, BRONCHIAL EMPHYSEMA, CONJUNCTIVITIS, STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING.

Medical Conditions Aggravated by Exposure: PERSONS WITH A HISTORY OF AIRWAY DISEASES

OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid: INHALATION: REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING. GET MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ADVICE. INGESTION: DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DO NOT USE WATER. NEUTRALIZE SPILL AND/OR WASHINGS WITH SODA ASH OR LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN, DRY CONTAINER.

Neutralizing Agent: J.T. BAKER'S NEUTRASORB (R) OR TEAM 'LOW NA+' ACID NEUTRALIZERS

ARE RECOMMENDED.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. KEEP CONTAINERS OUT OF SUN AND AWAY FROM HEAT. ISOLATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPOR. KEEP IN TIGHTLY CLOSED CONTAINER. LOOSEN CLOSURE CAUTIOUSLY. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. IN CA

SE OF SPILL NEUTRALIZE WITH SODA ASH OR LIME.

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

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

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her Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OR REPEATED EXPOSURE. DO NOT GET ON SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS.WHEN DILUTING, ALWAYS ADD ACID TO WATER. NEVER ADD WATER TO ACID.

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===== Physical/Chemical

Properties =====

HCC:C1

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

Vapor Pres:VARIABLE

Spec Gravity:1.4 - 1.8

pH:0.3

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR TO SLIGHTLY CLOUDY, OILY LIQUID. ODORLESS TO SLIGHTLY PUNGENT ODOR.

Percent Volatiles by Volume:0 - 20

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:EXTREMELY HIGH TEMPERATURES

Hazardous Decompositio

n Products:OXIDES OF SULFUR, HYDROGEN SULFIDE,
HYDROGEN GAS

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

Waste Disposal Methods:DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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