

LOS ANGELES CHEMICAL CO -- ELECTROLYTE BATTERY ACID

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MSDS Safety Information
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FSC: 6810
NIIN: 00-823-8008
MSDS Date: 10/05/1992
MSDS Num: BNWNR
Product ID: ELECTROLYTE BATTERY ACID
MFN: 01
Responsible Party
Cage: 75656
Name: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE ST
Box: 1987
City: SOUTH G
ATE CA 90280-2534
Preparer's Name: HAZMAT DATA BANK BRANCH
Review Ind: Y
Published: Y

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Preparer Co. when other than Responsible Party Co.
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Cage: 75656
Name: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE ST
Box: 1987
City: SOUTH GATE CA 90280

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Contractor Summary
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Cage: 75656
Name
: LOS ANGELES CHEMICAL CO
Address: 4545 ARDINE ST
Box: 1987
City: SOUTH GATE CA 90280
Phone: 213-562-9500

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Item Description Information
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Item Manager: S9G
Item Name: SULFURIC ACID,ELECTROLYTE
Specification Number: O-S-801E
Type/Grade/Class: CLASS 2
Unit of Issue: GL
UI Container Qty: 4
Type of Container: BOTTLE

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Ingredients
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Cas: 7664-93-9
RTECS #: WS5600000
Name: SULFURIC ACID (SARA III)
% Wt: >49.5
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

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER
% Wt: BALANCE
Other REC Limits: NONE SPECIFIED
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
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Health Hazards Dat

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LD50 LC50 Mixture: UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: THIRD DEGREE BURNS. SEVERE RESPIRATORY, SKIN, AND EYE IRRITANT. BRONCHITIS, LARYNGEAL AND PULMONARY EDEMA MAY RESULT.

Explanation Of Carcinogenicity: PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC, OR OSHA.

Signs And Symptions Of Overexposure:

PRICKLING OR BURNING SENSATION OF SKIN AND MUCOUS MEMBRANES. COUGHING, SNEEZING, TIGHTNESS OF CHEST, DIFFICULTY IN BREATHING.

Medical Cond Aggravated By Exposure: ANY PRE-EXISTING RESPIRATORY DISEASE, FOR EXAMPLE EMPHYSEMA.

First Aid: INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: W

ASH WITH SOAP AND WATER. REMOVE
CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. INGESTED: DO NOT INDUCE
VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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Handling and Disposal
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Spill Release Procedures: WEAR FULL ACID-PROTECTIVE GEAR. REMOVE SOURCES OF
IGNITION. NEUTRALIZE SPILL WITH LIME OR SODA ASH. FLUSH TO WASTE WATER
TREATMENT SYSTEM IF ALLOWED. DIKE LARGE SPILLS. DO NOT WASH INTO
STORM OR
SANITARY SEWER SYSTEM.

Neutralizing Agent: LIME OR SODA ASH (MIN 5.2 LBS PER GALLON OF ELECTROLYTE)

Waste Disposal Methods: NEUTRALIZE WITH LIME OR SODA ASH. CONSULT REGULATIONS.
EPA HAZARDOUS WASTE D0002- CORROSIVE AND D0003-REACTIVE IF DISCARDED.

Handling And Storage Precautions: DO NOT STORE NEAR ORGANICS. HYDROGEN MAY BE
GENERATED INSIDE DRUMS AND TANKS. AVOID FLAMES AND SPARKS.

Other Precautions: NEVER ADD WATER TO CONTAINERS OF ACID. BEWARE OF ACID
REACTION IN SEWERS THAT
MAY PRODUCE FLAMMABLE HYDROGEN GAS OR TOXIC HYDROGEN
SULFIDE.

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Fire and Explosion Hazard Information
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Flash Point Text: NONFLAMMABLE

Lower Limits: NONFLAMMABLE

Upper Limits: NONFLAMMABLE

Extinguishing Media: DRY CHEMICAL OR CARBON DIOXIDE FOR SMALL FIRES. WATER FOG
FOR LARGE FIRES.

Fire Fighting Procedures: DO NOT DIRECT WATER INTO ACID TANKS. COOL OUTSIDE OF
TANKS WITH WATER. WEAR

EAR FULL-FACE, SELF-CONTAINED RESPIRATOR, RUBBERIZED OUTER
WEAR, GLOVES, AND BOOTS.

Unusual Fire/Explosion Hazard: WILL NOT BURN BUT CAN START FIRES WITH ORGANIC
MATERIAL, NITRATES, CARBIDES, CHLORATES, AND METAL POWDERS. FLAMMABLE
HYDROGEN GAS CAN FORM IN CONTAINERS.

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Control Measures
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Respiratory Protection: WHEN NEEDED USE NIOSH OR MSHA APPROVED HALF OR
FULL-FACE MASK WITH AC

ID GAS CARTRIDGE. FOR HIGH CONCENTRATIONS, USE SELF-CONTAINED BREATHING UNIT.

Ventilation: LOCAL EXHAUST. NOTE: VENTILATE STORAGE TANKS BEFORE ENTERING.

Protective Gloves: RUBBER

Eye Protection: CHEMICAL GOGGLES OR FULL FACE SHIELD.

Other Protective Equipment: RUBBER SAFETY SHOES/BOOTS. RUBER APRON OR FULL SUIT IF SPLASHES LIKELY.

Work Hygienic Practices: PROHIBIT SMOKING. PROVIDE SAFETY SHOWERS AND EYE WASHES NEAR WORK SITE. TRAIN EMPLOYEES IN CHEMICAL HANDLING PRACTICES.

Supplemental Sa

fety and Health: HYDROGEN GAS MAY ACCUMULATE IN CONTAINERS.

AVOID IGNITION SOURCES. SPILL OVER INTO SEWERS MAY GENERATE HYDROGEN GAS OR TOXIC HYDROGEN SULFIDE. ADDITION OF WATER TO ACID CAUSES HEAT AND POSSIBLE SPLATT ERING.

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Physical/Chemical Properties
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HCC: C1

B.P. Text: 275F,135C

M.P/F.P Text: -80F,-62C

Decomp Text: UNKNOWN

Vapor Pres: < 1

Vapor Density: 3.4

Spec Gravity: 1

.265

PH: < 1

Viscosity: UNKNOWN

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR, COLORLESS LIQUID.

Percent Volatiles by Volume: 0%

Corrosion Rate: UNKNOWN

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HIGH HEAT, MOISTURE

Materials To Avoid: METALS, ORGANICS, NITRATES, CARBIDES, CHLORATES, ALLYL COMPOUNDS

AND ALDEHYDES

Hazardous Decomposition Products: SULFUR DIOXIDE, SULFUR TRIOXIDE, HYDROGEN SULFIDE, HYDROGEN GAS

Hazardous Polymerization Indicator: NO

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Toxicological Information
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Ecological Information
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MSDS Transport I

nformation

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Regulatory Information

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Other Information

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Transportation Information

Responsible Party Cage: 7
5656

Trans ID NO: 87167

Product ID: ELECTROLYTE BATTERY ACID

MSDS Prepared Date: 10/05/1992

Review Date: 10/29/1992

MFN: 1

Net Unit Weight: 10.55 LBS

Multiple KIT Number: 0

Review IND: Y

Unit Of Issue: GL

Container QTY: 4

Type Of Container: BOTTLE

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Detail DOT Information

DOT PSN Code: BQX

DOT Proper Shipping Name: BATTERY FLUID, ACID

Hazard Class: 8

UN ID Num: UN2796

DOT Packaging Group:

II

Label: CORROSIVE

Special Provision: A3,A7,B2,B15,N6,N34,T9,T27

Packaging Exception: 154

Non Bulk Pack: 202

Bulk Pack: 242

Max Qty Pass: 1 L

Max Qty Cargo: 30 L

Vessel Stow Req: B

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Detail IMO Information

IMO PSN Code: BWH

IMO Proper Shipping Name: BATTERY FLUID, ACID

IMDG Page Number: SEE 8230

UN Number: 2796

UN Hazard Class: 8

IMO Packaging Group: II

Subsidiary Risk Label: -

EMS

Number: 8-06
MED First Aid Guide NUM: 700

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Detail IATA Information
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IATA PSN Code: DAG
IATA UN ID Num: 2796
IATA Proper Shipping Name: BATTERY FLUID, ACID
IATA UN Class: 8
IATA Label: CORROSIVE
UN Packing Group: II
Packing Note Passenger: 809
Max Quant Pass: 1L
Max Quant Cargo: 30L
Packaging Note Cargo: 813

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Detail AFI Information
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AFI PSN Code: DAG
AFI Proper Shipping Name: BATTERY FLUID, ACID
AFI Hazard Class: 8
AFI UN ID NUM: UN2796
AFI Packing Group: II
Special Provisions: P5, A3, A7, N6, N34
Back Pack Reference: A12.3, A12.5

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HAZCOM Label
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Product ID: ELECTROLYTE BATTERY ACID
Cage: 75656
Company Name: LOS ANGELES CHEMICAL CO
Street: 4545 ARDINE ST
PO Box
: 1987
City: SOUTH GATE CA
Zipcode: 90280
Label Required IND: Y
Date Of Label Review: 10/05/1992
Status Code: C
Label Date: 10/05/1992
Year Procured: 1991
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Severe
Fire Hazard: None
Reactivity Hazard: Slight
Hazard And Precautions: INHALATION OF VAPORS MAY CAUSE SEVERE IRRITATION OR
BURNS OF THE RESPIRATORY SYSTEM, PULMONARY EDEMA, OR LU

NG INFLAMMATION. MAY

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

DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS

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