

DUAL-LITE INC -- LEAD ACID BATTERY -- 6230-01-254-5669

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

Product ID:LEAD ACID BATTERY

MSDS Date:05/08/1987

FSC:6230

NIIN:01-254-5669

MSDS Number: BHXQT

=== Responsible Party ===

Company Name:DUAL-LITE INC

Address:SIMM LN

Box:468

City:NEWTON

State:CT

ZIP:06470-2307

Country:US

Info Phone Num:203-426-8011

Emergency Phone Num:203-426-8011

CAGE:25759

=== Contractor Iden

tification ===

Company Name:DIXIE ELECTRIC SUPPLY CORP

Address:1901 N HAMILTON STREET

Box:6522

City:RICHMOND

State:VA

ZIP:23230-4101

Country:US

CAGE:2E492

Company Name:DUAL-LITE INC

Address:SIMM LN

Box:468

City:NEWTON

State:CT

ZIP:06470-2307

Country:US

Phone:203-426-8011

CAGE:25759

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 65-75%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 17-30%

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 =====

LD50 LC50 Mixture:LD50 ORAL RAT 135 MG/KG (SULFURIC ACID)

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:BURNS,SEVERE IRRITATION OF

SKIN,EYES,MOUTH,THROAT,ESOPHAGUS AND STOMACH;INFLAMMATION OF  
BRONCHIAL MEMBRANES. CHRONIC:EROSION OF TEETH,INFLAMMATION OF  
NOSE,THROAT AND BRONCHIAL TUBES.

Effects of Overexposure:COUGH,INCREASED RESPIRATORY  
RATE,STINGING,BURNING SENSATION ON SKIN,EYE  
IRRITATION,DISCOLORATION OF TEETH.

Medical Cond Aggravated by Exposure:EXPOSURE TO MISTS MAY CAUSE LUNG  
DAMAGE AND AGGRAVATE PULMONARY CONDITIONS.

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

First Aid:EYES/SKIN:FLUSH WITH PLENTY OF WATER.SEE DOCTOR  
IMMEDIATELY.REMOVE CONTAMINATED CLOTHING AND SHOES.  
INHALATION:REMOVE TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEE  
DOCTOR. INGESTION:DO NOT INDUCE VOMIT. GIVE MILK OR WATER,FOLLOWED  
BY 2 OUNCES OF MILK OF MAGNESIA (NO CARBONATES).SEE DOCTOR  
IMMEDIATELY.

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

Flash Point:NONE

Lower Limits:4.0

(HYDROGN)

Upper Limits:74.2(HYDRGN)

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:BATTERIES ON CHARGE GIVE OFF HYDROGEN GAS, WHICH CAN EXPLODE.

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

Spill Release Procedures:W

EAR APPROPRIATE PROTECTIVE EQUIPMENT.DILUTE

CAUTIOUSLY WITH WATER.COVER WITH SODA ASH OR QUICKLIME.SCOOP UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE) OR QUICKLIME (CALCIUM OXIDE).

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

Handling and Storage Precautions:STORE AWAY FROM IGNITION SOURCES AND COMBUSTIBLE MATERIALS.AVOID CONTACT WITH ORGANIC MATERIALS.

Other Precautions:KEEP TERMINALS COVERED IN PLASTIC CASE .AVOID SHORTING BATTERIES.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK AS APPROPRIATE FOR EXPOSURE OF CONCERN WHEN TLV IS EXCEEDED.

Ventilation:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CONFINED AREAS.

Protective Gloves:RUBBER

Eye Protection:GOGGLES

Other Protective Equipment:RUBBER APRON AND BOOTS.EYES WASH STATION AND SAFETY S HOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THIS MSDS IS FOR ACID IN BATTERY.ADDITIONAL HAZARDS ASSOCIATED WITH THE LEAD CONTAINED IN THE BATTERY PLATES MAY BE PRESENT AT TIME OF DISPOSAL. \*\* MANUFACTURER CONSIDERS THE BATTERY AN ARTICLE. HMIS CONSIDERS THERE MAY BE A POTENTIAL FOR EXPOSURE AND THAT AN MSDS IS REQUIRED \*\*

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

HCC:N1

Boiling Pt.=107.C, 224.6F

Spec

Gravity:1.265-1.300

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID.

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

Stability Indicator/Materials to Avoid:YES

REACTIVE METALS, STRONG BASES, MOST ORGANIC COMPOUNDS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES

Hazardous Decomposition Products:SULFURIC ACID FUMES,SULFUR

DIOXIDE,SULFUR TRIOXIDE,CARBON MONOXIDE,HYDROGEN SULFIDE, HYDROGEN GAS.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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