

EAGLE-PICHER INDUSTRIES INC ELECTRONICS DIV -- CAREFREE RECHARGEABLE BATTERY --
6230-01-219-5212

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

Product ID:CAREFREE RECHARGEABLE BATTERY

MSDS Date:10/21/1988

FSC:6230

NIIN:01-219-5212

MSDS Number: BKKKM

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES INC ELECTRONICS DIV

Address:C AND PORTER STS

Box:47

City:JOPLIN

State:MO

ZIP:64801

Country:US

Info

Phone Num:417-776-2256

Emergency Phone Num:417-623-8000 (75-1; KIM BENTZ)

CAGE:0B3X4

=== Contractor Identification ===

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:14212 BETHEL ROAD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Phone:417-776-2256

CAGE:0B3X4

Company Name:EAGLE-PICHER INDUSTRIES, INC.

Address:C AND PORTER STS

Box:47

City:JOPLIN

State:MO

ZIP:64801

Country:US

Phone:417-623-8000

CAGE:81855

Company Name:LITHONIA EMERGENCY SYSTEMS

Address:ONE LITHONIA WAY

Box:City:DECATUR

Sta

te:GA
ZIP:30035
Country:US
Phone:404-987-4200
CAGE:16543

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Composition/Information on Ingredients
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Ingred Name:LEAD OXIDE/LITHARGE
CAS:1317-36-8
RTECS #:OG1750000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05 MG/M3 (MFR)
ACGIH TLV:0.15 MG/M3 (MFR)

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
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
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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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE & CHRONIC-SEVERE BURNS AND EYE
DAMAGE FROM SULFURIC ACID ELECTROLYTE.ILLNESS FROM SULFUR OXIDE
FUMES.CONTAINS LEAD WHICH

IS KNOWN TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

Effects of Overexposure:IRRITATION AND ACID BURNS. PUNGENT ODOR AND RESPIRATORY IRRITATION.

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

First Aid:SEE A DOCTOR.EYES/SKIN:FLUSH WITH WATER FOR 15 MINUTES.INHALATION OF SULFUR OXIDE:REMOVE TO FRESH AIR.DISCONNECT BATTERIES & VENTILATE THE AREA.INGESTION:DRINK LARGE QUANTITIES OF MILK/WATER,FOLLOWED BY MILK OF MAGNESIA(NO CARBONATES),BEATEN EGGS OR VEGETABLE OIL.SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE

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

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

Unusual Fire/Explosion Hazard:KEEP LIGHTED CIGARETTES,SPARKS & FLAMES AWAY.EXPLOSION CAN RESULT FROM IMPROPER CHARGING OR CHARGED IN GAS TIGHT ENCLOSURE & IGNITION OF CHARGING GASES.

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

Spill Release Procedures:AVOID CONTACT WITH SULFURIC ACID ELECTROLYTE FROM BATTERY. LIME OR SODA MAY BE USED TO NEUTRALIZE AFTER DILUTING WITH WATER. CONTAIN LARGER SPILLS WITH SAWDUST OR OTHER ABSORBING MATERIAL. WEAR ACID RESISTANT GLOVES AND OTHER PROTECTIVE CLOTHING.

Neutralizing Agent:LIME OR SODA

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

Handling and Storage Precautions:AVOID SKIN CONTACT.VENTILATE AREA WHEN CHARGING BATTERIES.KEEP AWAY FROM IGNITION SOURCES DURING & AFTER CHARGING.

Other Precautions:KEEP TERMINALS COVERED IN PLASTIC CASE.AVOID SHORTING BATTERIES.DO NOT CRACK OR OVERCHARGE BATTERIES.KEEP LIGHTED CIGARETTES,SPARKS,AND FLAMES AWAY FROM CHARGING BATTERIES.KEEP BATTERIES AWAY FROM CHILDREN.DO NOT OVERCHARGE.

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===== Exposure Controls/Personal Protection

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Respiratory Protection:USE NIOSH-APPROVED RESPIRATOR IF 1 MG/M3 TWA IS EXCEEDED (ACID).

Ventilation:LOCAL EXHAUST AT CHARGING STATIONS

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF SAFETY GOGGLES

Other Protective Equipment:RUBBER APRON AND BOOTS.EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

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HCC:C1

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

Stability Indicator/Materials to Avoid:YES

SOLVENTS MAY DISSOLVE BATTERY CASE MATERIAL.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:SEVER OVERCHARGE AND OVERHEATING MAY CAUSE SULFUR OXIDE FUMES.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP. DO NOT INCINERATE.

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