

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 LITHIONIA WAY  
Box:City:DECATUR  
State:GA  
ZIP:30035  
Country:US  
Phone:404-987-4200  
CAGE:16543

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

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

===== Hazards Identification =====

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.

===== 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.

===== 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

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

Handling and Storage Precaution

s: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.

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

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 =====

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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