

EAGLE-PICHER INDUSTRIES INC -- CAREFREE RECHARGEABLE BATTERY -- 6140-01-325-0667

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

Product ID:CAREFREE RECHARGEABLE BATTERY

MSDS Date:03/12/1991

FSC:6140

NIIN:01-325-0667

MSDS Number: BTRRW

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:N BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Info Phone Num:417-776-2256

Emergency Ph

one Num:417-776-2256

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:LIGHTALARMS ELECTRONICS CORP

Address:1170 ATLANTIC AVENUE

Box:City:BALDWIN

State:NY

ZIP:11510-4205

Country:US

Phone:516-379-1000

CAGE:02720

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fra

ction by Wt: 50%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDES (SARA III)  
CAS:7439-92-1  
RTECS #:OF7525000  
Fraction by Wt: 25%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3;1910.1025  
ACGIH TLV:0.15 MG/M3;DUST 9293  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (SARA III) (38% SULFURIC ACID)  
CAS:7664-93-9  
RTECS #:WS5600000  
Fraction by Wt: 18%  
Other REC Limits:NONE RECOM  
MENED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9293  
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:PRODUCT IS AN ARTICLE UNDER OSHA WHICH  
UNDER NORMAL USE IS NON-HAZARDOUS. HOWEVER UNDER CERTAIN UNUSUAL  
CONDITIONS PERSONS MAY BE EXPOSED TO TOXIC LEAD,CORROSIVE SULFURIC  
ACID AND/OR E  
XPLOSIVE HYDROGE N.SEVERE BURNS AND EYE DAMAGE MAY  
RESULTFROM EXPOSURE TO SULFURIC ACID ELECTROLYTE AND ILLNESS FROM  
SULFUR OXIDE FUMES.  
Effects of Overexposure:IRRITATION AND ACID BURNS. PUNGENT ODOR AND  
RESPIRATORY IRRITATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL  
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH A

REA WITH SOAP

AND WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR.  
GET MEDICAL ATTENTION. INGESTION: LEAD/LEAD COMPOUNDS:GET MEDICAL  
ATTENTION. SULFURIC ACID: DO NOT INDUCE VOMITING.GIVE WATER OR MILK  
FOLLOWED BY MILK OF MAGNESIA,BEATEN EGGS OR VEGETABLE OIL.GET  
MEDICAL ATTENTION.

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

Flash Point:NONE

Extinguishing Media:WATER, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:KEEP LIGHTED CIGARETTES,SPARKS,FLAMES  
AWAY. EXPLOSION CAN RESULT FROM IMPROPER CHARGING AND IGNITION OF  
CHARGING GASES;ALSO IF CHARGED IN GAS TIGHT ENCLOSURES.

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

Spill Release Procedures:AVOID CONTACT WITH SULFURIC ACID ELECTROLYTE  
FROM DAMAGED BATTERY. NEUTRALIZE WITH SOLUTION OF BAKING SODA IN  
WATER. COLLECT NEUTRALIZED WASTE IN A SUITABLE CONTAINER FOR  
DISPOSAL. DO NOT

FLUSH LEAD CONTAMINATED ACID TO SEWER.

Neutralizing Agent:BAKING SODA AND WATER.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED  
AREA WITH IMPERVIOUS SURFACES AND ADEQUATE SPILL CONTAINMENT.  
BATTERIES SHOULD BE STORED UNDER ROOF.

Other Precautions:BATTERIES WITH RELEASED ELECTROLYTE SHALL BE SEALED  
IN POLYETHYLENE BAGS. AVOID PHYSICAL DAMAGE TO BATTERY. KEEP  
CHARGING BATTERIES AWAY FROM FIRE, SPARKS, AND HEAT. DO NOT  
OVERCHARGE. DO NOT SHORT CIRCUIT BATTERY TERMINALS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. WHEN CONCENTRATIONS OF  
SULFURIC ACID MIST ARE KNOWN TO EXCEED PEL, USE NIOSH OR  
MSHA-APPROVED RESPIRATORY PROTECTION.

Ventilation:LOCAL EXHAUST IS RECOMMENDED AT CHARGING STATIONS AND WHERE  
PEL IS EXCEEDED.

Protective Gloves:RUBBER GLOVES IF CASE IS CRACKED.

Eye Protection:CHEMICAL SAFETY

PLASH GOGGLES FOR CRACKED CASE

Other Protective Equipment:HAVE EYE WASH STATION AND SAFETY SHOWER AVAILABLE. ACID-RESISTANT APRON, BOOTS,AND PROTECTIVE CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE

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

HCC:Z4

Appearance and Odor:BATTERY WITH ELECTROLYTE, 6 VOLTS.

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

Stability Indicator/Materials to Avoid:YES

SOLVENTS MAY DISSOLVE BATTERY CASE MATERIAL.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:SEVERE OVERCHARGING AND OVERHEATING MAY CAUSE SULFUR DIOXIDE FUMES.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.

DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL

REGULATIONS. UNLAWFUL TO DISPOSE IN LANDFILL. DO NOT INCINERATE,PUNCTURE,DISASSEMBLE OR MUTILATE. SEND SPENT BATTERIES TO LEAD SMELTER FOR RECYCLE.

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