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EAGLE-PICHER INDUSTRIES,INC,ELECTRONICS DIV -- CAREFREE RECHARGEABLE
BATTERY,CF12V5-LA -- 6140-01-003-9325

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

Product ID:CAREFREE RECHARGEABLE BATTERY,CF12V5-LA

MSDS Date:10/21/1988

FSC:6140

NIIN:01-003-9325

MSDS Number: BNNGH

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES,INC,ELECTRONICS DIV

Address:BETHEL ROAD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Info Phone Num:417-776-2256

Emergency Phone Num:417-776-2256

CAGE:0B3X4

=== Contractor Identification ===

Company Name:CHICAGO INDUSTRIAL TRADING CO

Address:1901 LANDMEIER RD

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007

Country:US

Phone:708-981-0090

CAGE:0K4U5

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

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

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 18%
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

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 50%
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:LEAD OXIDES
Fraction by Wt: 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.05MG,PB/M3
ACGIH TLV:0.15MG,PB/M3 DUST 92

===== 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:MAY CAUSE ILLNESS FROM SULFUR OXIDE
FUMES. THE ELECTROLYTE IS IMMOBILIZED AND SEALED WITHIN THE BATTE

RY

CASE. HEALTH HAZARDS BASED ON THE ACCIDENTAL RELEASE OF
ELECTROLYTE: SEVERE BURNS AND EYE DAMAGE FROM SULFURIC ACID
ELECTROLYTE. ITEM CONTAINS LEAD WHICH IS KNOWN TO CAUSE BIRTH
DEFECTS OR OTHER REPRODUCTIVE HARM.

Effects of Overexposure:IRRITATION AND BURNS ON SKIN TISSUE AND EYES.
PUNGENT ODOR AND RESPIRATORY IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EY

ES; FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH
LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS GET MEDICAL
ATTENTION. INHALATION: RE MOVE TO FRESH AIR. GET MEDICAL ATTENTION
IF SYMPTOMS OCCUR. INGESTION: DRINK LARGE AMOUNTS OF WATER OR MILK,
FOLLOWED BY MILK OF MAGNESIA, BEATEN EGGS, OR VEGETABLE OIL. GET
MEDICAL ATTENTION.

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

Extinguishing

Media:WATER, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:KEEP SPARKS AND FLAMES AWAY. EXPLOSION
CAN RESULT FROM IMPROPER CHARGING AND IGNITION OF CHARGING GASES.
EXPLOSION CAN RESULT IF CHARGED IN GAS TIGHT ENCLOSURE.

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

Spill Release Procedures:THE ELECTROLYTE IS IMMOBILIZED AND SEALED
WITHIN THE BATTERY CASE. IF CASE IS CRACKED, AVOID CONTACT WITH

ELECTROLYTE AND SEAL DAMAGED BATTERY IN POLYETHYLENE BAG.
NEUTRALIZE SPILL WITH SOLUTION OF BA KING SODA AND FLUSH WITH LARGE
AMOUNTS OF WATER.

Neutralizing Agent:BAKING SODA.

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

Handling and Storage Precautions:PROTECT AGAINST DAMAGING CASE
MATERIAL. ADHERE TO PROPER CHARGING PROCEDURES.

Other Precautions:DO NOT OVERCHARGE. DO NOT SHORT CIRCUIT BATTERY
TERMINALS. KEEP LIGHTED CIGARETTES, SPARKS AND FLAMES AWAY

FROM
CHARGING BATTERIES.

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

Respiratory Protection:NOT NORMALLY REQUIRED.
Ventilation:NATURAL CONVECTION IS SUFFICIENT.
Protective Gloves:RUBBER GLOVES IF CASE IS CRACKED.
Eye Protection:CHEMICAL SAFETY GOGGLES.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:WASH AFER HANDLING AND BEFORE EATING, DRINKING,
OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health

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

HCC:N1
Appearance and Odor:NOT GIVEN BY MANUFACTURER.

===== 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 OVERCHARGE AND OVERHEATING MAY
CAUSE SULFUR OXIDE FUMES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:NEUTRALIZE WITH SOLUTION OF BAKING SODA IN
WATER. DISPOSE WITH AUTOMOTIVE BATTERY SCRAP. DO NOT INCINERATE.
SEAL BATTERIES WITH RELEASED ELECTROLYTE IN POLYETHYLENE BAGS.
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL
REGULATIONS.

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