

EAGLE-PICHER INDUSTRIES INC ELECTRONICS DIV -- CF12V30 CAREFREE RECHAGEABLE
BATTERY -- 6140-01-060-1983

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

Product ID:CF12V30 CAREFREE RECHAGEABLE BATTERY

MSDS Date:03/12/1991

FSC:6140

NIIN:01-060-1983

MSDS Number: BQFCS

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES INC ELECTRONICS DIV

Address:C AND PORTER STS

Box:130

City:JOPLIN

State:MO

ZIP:64801

Country:US

Info Phone Num:417-623-8000

Emergency Phone Num:417-6

23-8000

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

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 50%

O

ther 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 OXIDE (LITHARGE)
CAS:1317-36-8
RTECS #:OG1750000
Fraction by Wt: 25%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3 (PB)
ACGIH TLV:0.15 MG/M3 (PB)

Ingred Name:SULFURIC ACID (SARA III) (38% SOLUTION)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 18%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293
EPA Rpt Qty:1000 LB
S
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF SULFUR DIOXIDE
FUMES GENERATED FROM OVERCHARGING MAY BE HARMFUL. CONTACT OF SKIN
AND EYES WITH ELECTROLYTE MAY CAUSE BURNS. CHRONIC: LEAD CONTAINED
IN ELECTRODES IS KNOWN TO CAUSE BIRTH DEFECTS OR OTHER
REPRODUCTIVE HARM.
Explanation of Carcinogenicity:LEAD IS LISTED BY NTP AS AN ANTICIPATED
CARCINOGEN; IARC LISTS LEAD AS A 2B, PROBABLE CARCINOGEN.
Effects of Overexposure:INHALED: COUGHING, SHORTNESS, TIGHTNESS IN
CHEST, CHEST PAIN. EYES: BURNING SENSATION, BURNS, PAIN, REDNESS,
TEARING, BLURRED VISION. SKIN: REDNESS, BURNS, SWELLING, BLISTERS,
PAIN, FELLING OF HEAT. I NGESTED(ELECTROLYTE): BURNS AROUND MOUTH,
IN THROAT AND ESOPHAGUS, SEVERE STOMACH PAIN, NAUSEA, VOMITING.
Medical Cond Aggrava

ted by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALED: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED. GET MEDICAL ATTENTION. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINTES, HOLD LIDS OPEN. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER UNTIL RESIDUE GONE. SEE DOCTOR FOR IF BURNED. INGESTED: IF CONSCIOUS, GIVE WATER OR MILK, FOLLOWED BY MILK OF MAGNESIA OR EGG WHITES. DO NOT INDUCE VOMITING! SEE DOCTOR.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:WATER, FOAM, DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:EXPLOSION CAN RESULT FROM IMPROPER CHARGING AND IGNITION OF CHARGING GASES. EXPLOSION CAN RESULT IF CHARGED IN GAS TIGHT ENCLOSURES.

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

Spill Release Procedures:NEUTRALIZE ACID IF BATTERY BROKEN OPEN. SCOOP UP NEUTRALIZED MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL. FLUSH AREA WITH WATER. WEAR PROPER CLOTHING AND EQUIPMENT.

Neutralizing Agent:BAKING SODA SOLUTION

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

Handling and Storage Precautions:DO NOT CRACK BATTERY CASE, DO NOT OVERCHARGE. DO NOT SHORT CIRCUIT BATTERY TERMINALS.

Other Precautions:KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM CHARGING BATTERIES.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:USE NATURAL CONVECTION

Protective Gloves:RUBBER IF CASE DAMAGED

Eye Protection:SAFETY GLASSES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. HMIS:EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING

NG. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
MANUFACTURER STATES ITEM AN ARTICLE UNDER 29 CFR 1900.1200.

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

HCC:C1

Appearance and Odor:PLASTIC CASED, SEALED 12 VOLT BATTERY; 6.7 IN. X
6.7 IN. X 6.2 IN.

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

Stability Indicator/Materials to Avoid:YES
SOLVENT MAY DISSOLVE BATTERY CASE.
Stability Condition to Avoid:OVERCHARGING, SH
ORT CIRCUITING OF BATTERY
Hazardous Decomposition Products:SEVERE OVERCHARGE AND OVERHEATING MAY
GENERATE SULFUR DIOXIDE FUMES.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND
FEDERAL REGULATIONS FOR LEAD-ACID BATTERIES. DO NOT INCINERATE,
PUNCTURE, DISASSEMBLE, OR MUTILATE.

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