

0000145

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



**IDENTITY (As Used on Label and Lit)**  
**CAREFREE Rechargeable Battery**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name <b>Eagle-Picher Industries, Inc.</b>		Emergency Telephone Number <b>417-776-2258</b>	
Address (Number, Street, City, State, and ZIP Code) <b>P. O. Box 130</b>		Telephone Number for Information <b>417-776-2258</b>	
<b>Bethel Road</b>		Date Prepared <b>11 September 1986</b>	
<b>Seneca, MO 64865</b>		Signature of Preparer (optional)	

**Section II — Hazardous Ingredients/Identify Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Lead</b>	<b>0.2 mg/m<sup>3</sup></b>			
<b>Lead Oxides</b>	<b>0.2 mg/m<sup>3</sup></b>			
<b>Sulfuric Acid</b>	<b>1.0 mg/m<sup>3</sup></b>			

**Section III — Physical/Chemical Characteristics**

Bolling Point	<b>N/A</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>N/A</b>
Vapor Pressure (mm Hg.)	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water	<b>N/A</b>		
Appearance and Odor	<b>N/A</b>		

**Section IV — Fire and Explosion Hazard Data**

Flash Point (Method Used) <b>Direct Flame</b>	Flammable Limits <b>UL-84HB</b>	LEL <b>N/A</b>	UEL <b>N/A</b>
Extinguishing Media <b>Water, Foam, Dry</b>			
Special Fire Fighting Procedures <b>N/A</b>			

Unusual Fire and Explosion Hazards **Keep lighted cigarettes, sparks and flames away. Explosion can result from improper charging and ignition of charging gases. Explosion can result if charged in gas tight enclosure.**

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	XX	

**Incompatibility (Materials to Avoid)**

Solvents may dissolve battery case material.

**Hazardous Decomposition or Byproducts**

Severe overcharge and overheating may cause sulfur oxide fumes.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	

**Section VI — Health Hazard Data**

Route(s) of Entry: Eyes	Inhalation?	Oral?	Ingestion?
		XX	XX

**Health Hazards (Acute and Chronic)**

Severe burns and eye damage from sulfuric acid electrolyte

Illness from sulfur oxide fumes

Carcinogenicity: N/A	NTP?	IARC Monographs?	OSHA Regulated?
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**Signs and Symptoms of Exposure**

Irritation and acid burns

Pungent odor and respiratory irritation

**Medical Conditions**

Generally Aggravated by Exposure

N/A

**Emergency and First Aid Procedures**

FOR sulfur oxide fumes, disconnect batteries, evacuate and ventilate

External, flush areas contaminated by sulfuric acid electrolyte with water.

Internal, drink large quantities of water or milk, followed by milk of magnesia, beaten eggs, or vegetable oil.

**Section VII — Precautions for Safe Handling and Use**

**Steps to Be Taken in Case Material is Released or Spilled**

Avoid contact with sulfuric acid electrolyte from battery. Flush with water.

**Waste Disposal Method**

Neutralize with solution of baking soda in water.

Dispose with automotive battery scrap.

**Precautions to Be Taken in Handling and Storing**

Batteries with released electrolyte shall be sealed in polyethylene bags.

**Other Precautions**

Do not crack battery cases. Do not overcharge.

Keep lighted cigarettes, sparks, and flames away from charging batteries.

**Section VIII — Control Measures**

**Respiratory Protection (Specify Type)**

N/A

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other Natural convection

**Protective Gloves**

Use rubber gloves if case is cracked

**Eye Protection**

recommended

**Other Protective Clothing or Equipment**

N/A

**Work Hygienic Practices**

N/A