

EAGLE-PICHER INDUSTRIES INC -- KEEPER II/LITHIUM/THIONYL CHLORIDE BATTERY --
6135-01-416-3984

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

Product ID:KEEPER II/LITHIUM/THIONYL CHLORIDE BATTERY

MSDS Date:10/01/1992

FSC:6135

NIIN:01-416-3984

MSDS Number: CFFLC

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:N BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Info Phone Nu

m:417-776-2256 / FAX 417-776-2257

Emergency Phone 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: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:GEC-MARCONI ELECTRONIC SYSTEMS CORP

Box:UNKNOW

CAGE:0D0D0

===== Composi

tion/Information on Ingredients =====

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Other REC Limits:NONE RECOMMENDED

Ingred Name:THIONYL CHLORIDE
CAS:7719-09-7
RTECS #:XM5150000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 1 PPM
ACGIH TLV:C 1 PPM; 9596

===== 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:THIONYL C
HLORIDE: MAY BURN AND
IRRITATE EYES AND SKIN. UPPER RESPIRATORY IRRITANT. CONTINOUS
INHALATION OF FUMES MAY CAUSE LUNG DAMAGE.
Explanation of Carcinogenicity:NONE SPECIFIED BY MANUFACTURER.
Effects of Overexposure:THIONYL CHLORIDE - EYE AND SKIN IRRITATION,
PUNGENT ODOR AND RESPIRATORY IRRITATION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IF FREE (THIONYL CHLORIDE) IS PRESENT, E
VACUATE AREA AND
PROVIDE VENTILATION, WASH EXPOSED AREAS WITH SODA ASH OR SODIUM
BICARBONATE SOLUTION. SEEK MEDICAL ATTENTION.

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

Extinguishing Media:DO NOT USE WATER. USE DRY CHEMICAL, SODA ASH, SAND.
Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE
125C (257 F). INCINERATE OR EXPOSE CONTENTS TO W

ATER. VENT, RUPTURE
OR EXPLOSION MAY RESULT AND CAUSE SEVERE BURNS.

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

Spill Release Procedures:AVOID CONTACT IF VENTS RUPTURE OR EXPLOSION HAS OCCURED. OTHERWISE PROTECT FROM HEAT, SHORT CIRCUIT OF TERMINALS, AN ACCUMULATION OF SHORTED BATTERIES, WHICH MAY CAUSE DANGEROUS ELEVATED TEMPERATURES.

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE.

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

Handling and Storage Precautions:DO NOT SHORT CIRCUIT, HEAT ABOVE 125 C (257 F), RECHARGE, DISASSEMBLE, INCINERATE OR EXPOSE TO WATER.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:NEOPRENE.

Eye Protection:RECOMMENDED.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practice

s:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:Z6

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

Stability Indicator/Materials to Avoid:YES

THIONYL CHLORIDE-WATER, HUMID AIR, ALKALIES AND TEMPERATURE ABOVE 140C (284F).

Stability Condition to Avoid:VENT, RUPTURE OR EXPLOSION WILL CAUSE RELEASE - THIONYL CHLORIDE.

Hazardous Decomposition Produc

ts:THIONYL CHLORIDE IN PRESENCE OF WATER
OR HUMID AIR-HYDROCHLORIC ACID AND SULFUR OXIDE.

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

Waste Disposal Methods:DISPOSE OF WASTE ACCORDING TO FEDERAL, STATE AND
LOCAL REGULATIONS.

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