

EAGLE-PICHER INDUSTRIES INC -- KEEPER II/LITHIUM/THIONYL CHLORIDE BATTERY --  
6135-01-379-1697

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

Product ID:KEEPER II/LITHIUM/THIONYL CHLORIDE BATTERY

MSDS Date:10/01/1992

FSC:6135

NIIN:01-379-1697

MSDS Number: CBSNW

=== 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:HARRIS CORP R F COMMUNICATIONS GROUP

Address:1680 UNIVERSITY AVE

Box:City:ROCHESTER

State:NY

ZIP:14610-1839

Country:US

Phone:716-244-5830

CAGE:14304

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

Ingred N

ame: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; 9192

===== 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:SOCL2 - WILL BURN AND IRRITATE EYES  
AND SKIN. UPPER RESPIRATO  
RY IRRITANT. CONTINOUS INHALATION OF FUMES  
MAY CAUSE LUNG DAMAGE.  
Effects of Overexposure:SOCL2 - EYE AND SKIN IRRITATION, PUNGENT ODOR  
AND RESPIRATORY IRRITATION.

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

First Aid:IF FREE (SOCL2) IS PRESENT, EVACUATE AREA AND PROVIDE  
VENTILATION, WASH EXPOSED AREAS WITH SODA ASH OR SODIUM BICARBONATE  
SOLUTION. SEEK MEDICAL ATTENTION.

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

Extinguishin  
g 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 WATER. 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.

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===== 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

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===== Exposure Controls/Personal Protection

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Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS.

Protective Gloves:NEOPRENE.

Eye Protection:RECOMMENDED.

Supplemental Safety and Health

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

HCC:Z6

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

Stability Indicator/Materials to Avoid:YES

SOCL2 WATER, HUMID AIR, ALKALIES AND TEMPERATURE ABOVE 140C (284F).

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

THIONYL CHLORIDE.

Hazardous Decomposition Products:SOCL2 IN PRESENCE OF WATER OR HUMOD  
AIR HYDROCHLORIC ACID AND SULFUR OXIDE

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

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

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