

EAGLE-PINCHER INDUSTRIES,INC -- KEEPER II/LITHIUM/THIONYL CHLORIDE BATTERY --  
6135-01-315-9214

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

Product ID:KEEPER II/LITHIUM/THIONYL CHLORIDE BATTERY

MSDS Date:10/01/1992

FSC:6135

NIIN:01-315-9214

MSDS Number: CHHTW

=== Responsible Party ===

Company Name:EAGLE-PINCHER INDUSTRIES,INC

Address:BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Info Phone Nu

m:417-776-2256

Emergency Phone Num:417-776-2256/800-424-9300(CHEMTREC)

CAGE:81855

=== Contractor Identification ===

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:LITHIUM METAL

CAS:7439-93-2

RTECS #:OJ5540000

Other REC Limits:NONE RECOMMENDED

Ingred Name:THIONYL CHLORIDE (SOCL2)

CAS:7719-09-7

RTECS #:XM5150000

Othe

r REC Limits:NONE RECOMMENDED

OSHA PEL:C 1 PPM

ACGIH TLV:C 1 PPM; 9596

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THIONYL CHLORIDE WILL BURN AND IRRITATE EYES AND SKIN, IRRITATE UPPER RESPIRATORY SYSTEM. CONTINUOUS INHALATION OF FUMES MAY CAUSE LUNG DAMAGE.

Explanation o

f Carcinogenicity:NONE

Effects of Overexposure:SYMPTOMS OF OVEREXPOSURE TO THIONYL CHLORIDE FUMES: 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, EVACUTE AREA AND PROVIDE VENTILATION, WASH EXPOSED AREAS WITH SODA ASH OR SODIUM BECARBONATE SOLUTION. GET MEDICAL ATTENTION.

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===== 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 125F, INCINERATE OR EXPOSE CONTENTS TO WATER, VENT, RUPTURE OR EXPLOSION MAY RESULT AND CAUSE SEVERE BURNS.

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

Spill R

elease Procedures:AVOID CONTACT IF VENT, 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:NEUTRALIZE THIONYL CHLORIDE WITH SODA ASH OR SODIUM BICARBONATE SOLUTION.

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

Handling and Storage Precautions:DO NOT SHORT CIRCUIT, HEAT ABOVE 125C (257F), RECHARGE, DISASSE

MBLE, INCINERATE, OR EXPOSE TO WATER.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS IF EXPOSURE EXCEEDS RECOMMENDED LIMITS.  
Protective Gloves:NEOPRENE IF NEEDED.  
Eye Protection:RECOMMENDED.  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
NONE

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

HCC:N1  
Appearance and Odor:3.6 VOLT BATTERY,RECTANGULAR W/ROUNDED CORNERS,2.2 IN. X 3.54 IN.X 2.13 IN.HIGH

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

Stability Indicator/Materials to Avoid:YES  
WATER, HUMID AIR, ALKALIES, AND TEMPERATURE ABOVE 140C (284F).  
Stability Condition to Avoid:VENT, RUPTURE OR EXPLOSION WILL RELEASE THIONYL CHLORIDE (SOCL2)  
Hazardous Decomposition Products:THIONYL CHLORIDE IN PRESENCE OF WATER  
OR HUMID AIR FORMS HYDROCHLORIC ACID AND SULFUR OXIDE.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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