

EAGLE-PICHER INDUSTRIES INC -- KEEPER I I / LITHIUM / THIONYL CHLORIDE BATTERY --  
6135-01-154-3526

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

Product ID:KEEPER I I / LITHIUM / THIONYL CHLORIDE BATTERY

MSDS Date:07/01/1998

FSC:6135

NIIN:01-154-3526

MSDS Number: CKDZR

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:N BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Inf

o Phone Num:417-776-2256

Emergency Phone Num:417-776-2256

Chemtec Ind/Phone:(800)424-9300

CAGE:0B3X4

=== Contractor Identification ===

Company Name:BATTERY MARKETING ASSN. (AKA: SUNN BATTERY CO.)

Address:1316 W ADAMS

Box:City:JACKSONVILLE

State:FL

ZIP:32204

Country:US

Phone:800-226-4508/ 904-354-4508

Contract Num:SP0430-00-M-G194

CAGE:1LWY3

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

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

Ingred Name:THIONYL CHLORIDE (SOCL2)

CAS:7719-09-7

RTECS #:XM5150000

OSHA PEL:1/C PPM

ACGIH STEL:C4.9 MG/M3;C1 PPM

Ingred Name:LITHIUM METAL

CAS:7439-93-2

RTECS #:OJ5540000

==== Hazards Identification =====

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

Health Hazards Acute and Chronic:THIONYL CHLORIDE, (SOCL2): WILL BURN AND IRRITATE EYES AND SKIN. UPPER RESPIRATORY IRRITANT.

CONTINUOUS INHALATION OF FUMES MAY CAUSE LUNG DAMAGE. DLA, VBA: PRODUCT PRESENTS HEALTH HAZARD ONLY IF SE ALED CASE IS BREACHED.

Effects of Overexposure:THIONYL CHLORIDE, (SOCL2): EYE AND SKIN: IRRITATION. INHALATION: PUNGENT ODOR, AND RESPIRATORY IRRITATION.

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

First Aid:IF THIONYL CHLORIDE, (SOCL2), IS PRESENT, EVACUATE AREA AND PROVIDE VENTILATION. WASH EXPOSED AREAS WITH SODA ASH OR SODIUM BICARBONATE SOLUTI ON. 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 (257F). INCINERATE OR EXPOSE CONTENTS TO WATER. VENT, RUPTURE, OR EXPLOSION MAY RESULT AND CAUSE SEVERE BURNS.

==== Accidental R

Release Measures =====

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

Neutralizing Agent: SODA ASH, SODIUM BICARBONATE SOLUTIONS.

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

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

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

Respiratory Protection: SELF-CONTAINED BREATHING APPARATUS.

Protective Gloves: NEOPRENE

Eye Protection: RECOMMENDED

Supplemental Safety and Health

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

HCC: Z6

Appearance and Odor: SEALED BATTERY.

===== 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, (SOCL<sub>2</sub>).

Hazardous Decomposition Products: SOCL<sub>2</sub> IN PRESENCE OF WATER OR HUMID AIR: HYDROCHLORIC ACID AND SULFUR OXIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

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= MSDS Transport Information =====

Transport Information:DLA,VBA: INFORMATION , BY TELEPHONE, FROM  
MANUFACTURER, EAGLE-PICHER: THESE BATTERIES CONTAIN LESS THAN 0.5  
GM OF LITHIUM PER CELL AND THEREFORE ARE NOT REGULATED FOR  
TRANSPORTATION BY LAND, SEA OR AI R. [49 CFR 173.185 (B)].

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