

HOPPECKE BATTERY SYSTEMS(OUT OF BUSINESS, 9-17-96) -- LITHIUM
BATTERY, NONRECHARGEABLE, LSC 3948M -- 6135-01-378-1918

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Product Identification
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Product ID: LITHIUM BATTERY, NONRECHARGEABLE, LSC 3948M

MSDS Date: 09/17/1996

FSC: 6135

NIIN: 01-378-1918

MSDS Number: CBSNS

==== Responsible Party ====

Company Name: HOPPECKE BATTERY SYSTEMS(OUT OF BUSINESS, 9-17-96)

Address: 10 PARK PLACE

City: BUTLER

State

: NJ

ZIP: 07405

Country: US

Info Phone Num: 201-492-0045 (DISCONNECTED)

Emergency Phone Num: 201-492-0045 (DISCONNECTED)

Preparer's Name: DODHMIS/DSCR-VBA

CAGE: 0P1T5

==== Contractor Identification ====

Company Name: HOPPECKE BATTERY SYSTEMS(OUT OF BUSINESS, 9-17-96)

Address: 10 PARK PLACE

Box: City: BUTLER

State: NJ

ZIP: 07405

Country: US

Phone: 201-492-0045 (DISCONNECTED)

CAGE: 0P1T5

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Composition/Information on Ingredients
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Ingred Name: LITHIUM METAL

CAS: 7439-93-2

RTECS #: OJ5540000

Other REC Limits: NONE RECOMMENDED

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Hazards Identification
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Routes of Entry: Inhalation: NO Skin: YES Ingestion: YES

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

Health Hazards Acute and Chronic: FOR DAMAGED CELLS: LITHIUM REACTS WITH

BODY MOISTURE TO FORM LITHIUM HYDROXIDE CAUSING A BURNING

SENSATION. FINE DUSTS, IF THEY ENTER A PERSON'S LUNGS WILL

HYDROLYSE TO FORM LITHIUM HYDROXIDE, WITH LOCALIZED TISSUE DAMAGE.

Explanation of Car

cinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:BURNING SENSATION, COUGHING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:LITHIUM SKIN CONTACT: REMOVE METAL AND WASH WITH WATER TO AVOID CAUSTIC BURN. FOLLOW WITH A NEUTRALIZING SOLUTION. EYE CONTACT-FLUSH 15 MINUTES WITH WATER. SEEK MEDICAL ATTENTION.

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

Flash Point:NO FLASH POINT

Extinguishing Media:LITH-X IS RECOMMENDED FOR LITHIUM FIRES.

Fire Fighting Procedures:DO NOT USE WATER OR CARBON DIOXIDE EXTINGUISHERS. SELF CONTAINED BREATHING APPARATUS AND FIRE FIGHTING ENTRY SUITS ARE REQUIRED.

Unusual Fire/Explosion Hazard:SOLID LITHIUM IN WATER WILL LIBERATE HYDROGEN AND UNDER CERTAIN CONDITIONS WILL EXPLODE. THE RATE OF REACTION INCREASES WITH THE SURFACE AREA.

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

Spill Release Procedures:RETURN METAL TO A SEALED CONTAINER. IF METAL BEGINS TO REACT WITH THE MOISTURE IN THE AIR, REMOVE TO AN ISOLATED AREA AND ALLOW TO BURN. IF METAL CANNOT BE REMOVED, TRY TO WET WITH MINERAL OIL.

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

Handling and Storage Precautions:STORE IN ISOLATED AREA FREE FROM SOURCES OF WATER, INCLUDING SPRINKLER SYSTEMS. AVOID ELEVATED

TEMPERATURES. POSTS BUCKETS OF LITH-X EXTINGUISHERS.

Other Precautions:STORAGE AREA SHOULD NOT BE SUBJECT TO SOURCES OF OPEN FLAME OR SPARK-GENERATING EQUIPMENT.

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

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:SURGICAL GLOVES FOR HANDLING DAMAGED.

Eye Protection:SAFETY GLASSES/SIDE SHIELDS FOR DAMAGED.

Other Protective Equipment:SURGICAL NOSE AND MOUTH MASKS FOR HANDLING DAMAGED BATTERIES.

Work Hygienic

Practices:WASH AFTER HANDLING DAMAGED BATTERIES AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

THIS "MSDS" WAS GENERATED IN-HOUSE BASED ON "MSDS'S" IN HMIS FOR SIMILAR PRODUCT AND AS DESCRIBED IN CD FICHE UNDER THIS NSN.

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

HCC:R2

Boiling Pt:B.P. Text:2403F,1317C

Melt/Freeze Pt:M.P/F.P Text:358F,181C

Vapor Pres:NIL

Spec Gravity:0.534

Solubility in Water:REACTS WITH WATER

Appearance and Odor:SOLI

D,SILVERY METAL,ELECTROLYTE, 2.8 V,CYLINDRICAL BATTERY,41 MM DIA X 50 MM LG

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

Stability Indicator/Materials to Avoid:YES

WATER, CARBON DIOXIDE, ALCOHOLS.

Stability Condition to Avoid:EXPOSURE TO MOISTURE, WATER AND TEMPERATURES ABOVE MELTING POINT.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:SUBMERSION IN WATER OR LITHIUM HYDROXIDE

SOLUTION, STEAM HYDROLYSIS OR BURNING ARE THE CONVENTIONAL METHODS. ONLY SMALL QUANTITIES OF LITHIUM SHOULD BE DISPOSED OF AT ONE TIME.

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