

BATTERY ASSEMBLERS INC -- LITHIUM THIONYL CHLORIDE BATTERY OR CELL --  
6135-01-301-8776

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

Product ID:LITHIUM THIONYL CHLORIDE BATTERY OR CELL

MSDS Date:01/01/1993

FSC:6135

NIIN:01-301-8776

MSDS Number: BXWGB

=== Responsible Party ===

Company Name:BATTERY ASSEMBLERS INC

Address:211-4 KNICKERBOCKER AVE

City:BOHEMIA

State:NY

ZIP:11716

Country:US

Info Phone Num:516-567

-8855/FAX -8278

Emergency Phone Num:516-567-8855

CAGE:0B0Y5

=== Contractor Identification ===

Company Name:BATTERY ASSEMBLERS INC

Address:211-4 KNICKERBOCKER AVE

Box:City:BOHEMIA

State:NY

ZIP:11716

Country:US

Phone:407-323-3390/EM:516-567-8855/8278

CAGE:0B0Y5

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===== Composition/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 Limit

s:NONE RECOMMENDED  
OSHA PEL:C 1 PPM  
ACGIH TLV:C 1 PPM; 9495

===== 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 CHLORIDE HAS A CORROSIVE  
EFFECT ON SKIN & MUCOUS MEMBRANES. LITHIUM REACTS WITH BODY WATER  
CAUSING BURNS.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CA  
RCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:THIONYL CHLORIDE-BURNS AND IRRITATION TO  
RESPIRATORY SYSTEM. LITHIUM-BURNING SENSATION, COUGH.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:SKIN-FLUSH WITH WATER. REMOVE CONTAMINATED CLOTHES.  
INHALED-REMOVE FROM EXPOSURE. GIVE OXYGEN IF NEEDED. SEEK MEDICAL  
ADVICE. EYES-FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL  
ATTEN  
TION. INGESTED-NON E SPECIFIED BY MANUFACTURER.

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

Flash Point:NONE  
Extinguishing Media:LITH-X FOR LITHIUM FIRES.  
Fire Fighting Procedures:NO RESTRICTIONS IN FIRE SITUATIONS. WEAR  
SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL  
FIRE EXPOSED CONTAINERS WITH WATER.  
Unusual Fire/Explosion Hazard:GENERATION OF CHLORINE, SULFUR DIOXIDE,  
DISULFUR CHLORIDE DURING THERMAL DECOMPOSITION.

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

Spill Release Procedures:COVER ANY SPILLED MATERIAL FROM BROKEN BATTERY  
WITH SODIUM BICARBONATE OR 1:1 MIXTURE OF SODA ASH AND SLAKED LIME.  
PRECIPITATE ESCAPING GASES/VAPORS BY SPRAYING WATER. ENSURE  
ADEQUATE VENTILATION OR E XHAUST VENTILATION IN AREA.  
Neutralizing Agent:SODIUM BICARBONATE OR 1:1 MIXTURE SODA ASH+SLAKED  
LIME.

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

Handling and Storage Precautions:KE

EP CONTAINER DRY AND TIGHTLY CLOSED.

STORE IN A COOL, DRY, WELL-VENTILATED PLACE.

Other Precautions:KEEP ONLY IN ORIGINAL CONTAINER. HANDLE AND OPEN CONTAINER WITH CARE. ENSURE EFFECTIVE VENTILATION. STORE AWAY FROM FOOD AND DRINK. AVOID ELEVATED TEMPERATURES.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR W/ABEK TYPE FIL

TER CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:BAYPREN, VITON.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS.

Other Protective Equipment:PROTECTIVE WORKING BOOTS AND RUBBER APRON.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

MSDS FROM MANUFACTURE GAVE DATA FOR EACH INGREDIENT (EG PHYSICAL

CHARACTERISITICS, SPILL, STORAGE, REACTIVITY DATA)-DATA HERE REPRESENTS DLA-HMIS BEST GUESS AT COMBINED DANGER FOR BOTH IN A BATTERY.

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

HCC:N1

Appearance and Odor:BATTERY.

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

Stability Indicator/Materials to Avoid:YES

WATER, ALKALIS.

Stability Condition to Avoid:EXPOSURE TO AIR, MOISTURE AND WATER.

THERMAL DECOMPOSITION BE GINS AT 140C.

Hazardous Decomposition Products:HYDROGEN, SULFUR DIOXIDE, SULFUR CHLORIDE, DISULFUR CHLORIDE, CHLORINE; WATER CARBON DIOXIDE, ALCOHOLS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS. INFO GIVEN BY MFR WAS FOR EACH INGREDIENT NOT FOR BATTERY AS A WHOLE.

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rmation by the compiling agencies):

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