

DEFENSE SUPPLY CENTER RICHMOND -- COIN CELL POLY-CARBONMONOFLURIDE (BR) LITHIUM BATTERY -- 6135-01-205-5965

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

Product ID:COIN CELL POLY-CARBONMONOFLURIDE (BR) LITHIUM BATTERY

MSDS Date:03/06/2000

FSC:6135

NIIN:01-205-5965

Status Code:A

MSDS Number: CKDFG

=== Responsible Party ===

Company Name:DEFENSE SUPPLY CENTER RICHMOND

Address:8000 JEFFERSON DAVIS HWY

City:RIC

HMOND

State:VA

ZIP:23297-5607

Country:US

Info Phone Num:804-279-4371

Emergency Phone Num:804-279-4371

Preparer's Name:DOD, HMIS, DSCR-VBA

CAGE:99998

=== Contractor Identification ===

Company Name:DEFENSE SUPPLY CENTER RICHMOND

Address:8000 JEFFERSON DAVIS HWY

Box:City:RICHMOND

State:VA

ZIP:23297-5607

Country:US

Phone:804-279-4371

CAGE:99998

Company Name:TNR TECHNICAL INC

Address:301 CENTRAL PARK DR

Box:City:SANFORD

State:FL

ZIP:32771

Country:US

Phone:407-321-3011

CAGE:1HJ92

===== Compo

sition/Information on Ingredients =====

Ingred Name:CATHODE: POLY-CARBONMONOFLUORIDE, (CF)N

Ingred Name:ANODE: LITHIUM, (LI)

Ingred Name:ELECTROLYTE, LI SALT: LITHIUM TETRAFLUOROBORATE, (LIBF4)

Ingred Name:ELECTROLYTE, SOLVENT: Y-BUTYROLACTONE, (Y-BL)

Ingred Name:ELECTROLYTE, SOLVENT: 1,2 DIMETHOXYETHANE, (DME)

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:THIS BATTERY IS A SEALED ARTICLE
EXEMPT FROM THE REQUIREMENTS OF THE HAZARD COMMUNICATION STANDARD,
29 CFR 1910.1200. A MSDS IS NOT REQUIRED. UNDER NORMAL CONDITIONS
OF USE THIS BATTERY DOES NOT RELEA SE MORE THAN VERY SMALL
QUANTITIES, E.G. MINUTE OR TRACE AMOUNTS OF A HAZARDOUS CHEMICAL,
AND DOES NOT POSE A PHYSICAL HAZARD OR HEALTH RISK TO EMPLOYEES.

Effects of Overexposure:NONE.

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

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First Aid:NONE REQUIRED.

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

Extinguishing Media:USE MEDIA APROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:REMOVE BATTERIES FROM AREA OF FIRE.

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

Spill Release Procedures:IF ONE OF THESE BATTERIES SHOULD LEAK
ELECTROLYTE, WASH THE AREA WITH COPIOUS AMOUNTS OF WATER. IF
CONTACTED BY ANY OF LEAKED ELECTROLYTE, WASH AREA WITH COPIOUS

AMOUNTS OF WATER AND IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP OR PERSISTS, GET MEDICAL ATTENTION.

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Handling and Storage
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Handling and Storage Precautions:DO NOT ALLOW CELLS OR BATTERIES TO SHORT CIRCUIT. STORE IN ORIGINAL CONTAINERS. DO NOT PUNCTURE, INCINERATE, EXPOSE TO FIRE OR TEMPERATURES ABOVE 185F. DO NOT CHARGE. DO NOT CUT OPEN.

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Exposure Controls/Personal Protection
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Protective Gloves:NONE
NORMALLY REQUIRED.
Eye Protection:NONE NORMALLY REQUIRED.
Other Protective Equipment:NONE NORMALLY REQUIRED.
Work Hygienic Practices:NO SPECIAL WORK HYGENIC PRACTICES NEEDED.
Supplemental Safety and Health
NONE

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Physical/Chemical Properties
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HCC:Z6
Appearance and Odor:A SEALED COIN CELL BATTERY.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES
ITEM IS A SEALED BATTERY CELL.
Stability Condition
to Avoid:SEALED CELL. AVOID EXPOSURE ABOVE 350F.

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Disposal Considerations
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Waste Disposal Methods:DO NOT INCINERATE OR EXPOSE BATTERIES TO FIRE. DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

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MSDS Transport Information
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Transport Information:LETTER TO DICK TRAYLOR FROM CHARLES P. MONAHAN, OF TRN TECHNICAL, INC DATED JAN 1, 1998 : THIS BATTERY UNDER NORMAL CONDITIONS OF U

SE DOES NOT RELEASE MORE THAN SMALL QUANTITIES E.G.

MINUTE OR TRACE AMOUNTS OF A HAZARDOUS CHEMICAL, AND DOES NOT POSE A PHYSICAL HAZARD OR HEALTH RISK TO EMPLOYEES. FROM WEB SITE: ALL PANASONIC BR LITHIUM BATTERIES ARE UNREGULATED FOR TRUCK, RAIL, OCEAN, AND AIR TRANSPORTATION BECAUSE THEY MEET THE REQUIREMENTS OF 49 CFR 173.185 (B). THE ONLY REQUIREMENTS FOR TRANSPORTING THESE BATTERIES ARE THEY MUST BE SECURELY PACKAGED TO PREVENT THE POSSIBILITY OF SHORT-CIRCUITING.

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