

DEFENSE SUPPLY CENTER RICHMOND -- BR 1/2 A, CYLINDRICAL CELL (BR) SEALED BATTERY --  
6135-01-205-5965

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

Product ID:BR 1/2 A, CYLINDRICAL CELL (BR) SEALED BATTERY

MSDS Date:03/06/2000

FSC:6135

NIIN:01-205-5965

MSDS Number: CKDDW

=== Responsible Party ===

Company Name:DEFENSE SUPPLY CENTER RICHMOND

Address:8000 JEFFERSON DAVIS HWY

City:RICHMOND

State:VA

ZIP:23297-560

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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

Contract Num:SP0430-99-M-F754

CAGE:1HJ92

===== Com

position/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)

===== 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 SEALE  
D 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 =====

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.

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

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.

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

Protective Gloves:NONE NORMALLY REQUIRED.  
Eye Protection:NONE NORMALLY REQUIRED.  
Ot

her Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:NO SPECIAL WORK HYGENIC PRACTICES NEEDED.

Supplemental Safety and Health

NONE

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

HCC:Z6

Appearance and Odor:A SEALED CYLINDRICAL CELL, 3 VOLTS. OVERALL HEIGHT  
23 MM MAX. DIAMETER 17 MM.

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

Stability Indicator/Materials to Avoid:YES

ITEM IS A SEALED BATTERY CELL.

Stability Condition to Av

oid:SEALED CELL. AVOID EXPOSURE ABOVE 350F.

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

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

===== MSDS Transport Information =====

Transport Information:LETTER TO DICK TRAYLOR FROM CHARLES P. MONAHAN,  
OF TRN TECHNICAL, INC DATED JAN 1, 1998 : THIS BATTERY UNDER NORMAL  
CONDITIONS OF USE DOE  
S NOT RELEASE MORE THAN SMALL QUANTITIES E.G.  
MINUTE OR TRACE A MOUNTS 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 TRANS PORTATION 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-CIRCUI TING.

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