

DUKANE CORP SEACOM DIV -- LITHIUM BATTERY, 810-2007K (FOR DK120 BEACON) --
6135-01-446-7989

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

Product ID:LITHIUM BATTERY, 810-2007K (FOR DK120 BEACON)

MSDS Date:01/20/1999

FSC:6135

NIIN:01-446-7989

Status Code:A

MSDS Number: CKMBS

=== Responsible Party ===

Company Name:DUKANE CORP SEACOM DIV

Address:2900 DUKANE DR

City:SAINT CHARLES

State:IL

ZIP:60174-3395

Country

:US

Info Phone Num:630-584-2300

Emergency Phone Num:630-584-2300

CAGE:94970

=== Contractor Identification ===

Company Name:DUKANE CORP SEACOM DIV

Address:2900 DUKANE DR

Box:City:SAINT CHARLES

State:IL

ZIP:60174-3395

Country:US

Phone:630-584-2300

CAGE:94970

Company Name:KAMPI COMPONENTS CO., INC.

Address:210 RT 13

Box:721

City:BRISTOL

State:PA

ZIP:19007-3517

Country:US

Phone:215-736-2000

Contract Num:SP0430-00-M-G620

CAGE:7Z016

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

Ingred Name:(CHARGED): LITHIUM (ANODE)

Ingred Name:(CHARGED): POLYCARBON MONO-FLUORIDE, (CATHODE)

Ingred Name:(CHARGED): LIBF4, GAMMA-BUTYROLACTONE, (ELECTROLYTE)

Ingred Name:(DISCHARGED): AMORPHOUS CARBONS, (ANODE)

Ingred Name:(DISCHARGED): CRYSTALLINE LITHIUM FLUORIDE, (CATHODE)

Ingred Name:(DISCHARGED): LIBF4, GAMMA-BUTYROLACTONE, (ELECTROLYTE)

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

Health Hazards Acute and Chronic:THIS BATTERY IS DEFINED AS AN "ARTICLE" BASED ON OSHA DEFINITION OF AN ARTICLE. IT WILL NOT RELEASE, OR OTHERWISE RESULT IN EXPOSURE TO, A HAZARDOUS CHEMICAL, UNDER NORMAL CONDITIONS OF USE. THEREFORE , THIS BATTERY IS EXEMPT FROM REQUIREMENTS OF THE HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200, HENCE A MSDS IS NOT REQUIRED.

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

Handling and Storage Precautions:A SECONDARY TREATMENT CENTER CAN ONLY RECEIVE THESE BATTERIES AS MANIFESTED HAZARDOUS WASTE. DISPOSAL OF LARGE QUANTITIES OF UNDISCHARGED LITHIUM BATTERIES SHOULD BE PERFORMED BY PERMITTED, PROFESSIONAL DISPOSAL FIRMS KNOWLEDGEABLE IN FEDERAL, STATE, AND LOCAL HAZARDOUS MATERIALS (CONTINUED BELOW)

Other Precautions:AND HAZARDOUS WASTE TRANSPORT AND DISPOSAL REQUIREMENTS. ONLY FULLY PERMITTED FACILITY MFR IS AWARE OF IS: BDT, INC., 4225 RESEARCH PARKWAY, CLARENCE, N.Y., 14031, (716)634-6794 PHONE, -6749 FAX. FEDERAL, STATE, AND LOCAL LAWS DEALING WITH DISPOSAL AND TRANSPORT OF LITHIUM BATTERIES SHOULD BE CHECKED FOR COMPLIANCE.

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

Supplemental Safety and Health

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

HCC:Z6
Evaporation Rate & Reference:NA
Appearance and Odor:3 VOLT LITHIUM BATTERY

=====
Ecological Information
=====

Ecological:LITHIUM BATTERIES ARE NEITHER SPECIFICALLY LISTED NOR EXEMPTED FROM

OM "EPA" HAZARDOUS WASTE REGULATIONS, AS PROMULGATED BY "RCRA". ONLY METAL OF POSSIBLE CONCERN IN LITHIUM BATTERY IS LITHIUM WHICH IS NOT A LISTED OR CHARACTERISTIC TOXIC HAZARDOUS WASTE. WASTE LITHIUM BATTERIES CAN BE CONSIDERED REACTIVE HAZARDOUS WASTE IF A SIGNIFICANT AMOUNT OF UNTREATED OR UNCONSUMED LITHIUM REMAINING IN THE SPENT BATTERY. KEY TO DISPOSING OF A LITHIUM BATTERY AS A NON-HAZARDOUS WASTE IS TO GUARANTEE THAT IT IS FULLY OR MOSTLY DISCHARGED. ONCE DISCHARGED IT CAN BE DISPOSED OF AS NON-HAZARDOUS WASTE.

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

Waste Disposal Methods: CAN DISPOSE OF A FULLY CHARGED OR PARTIALLY DISCHARGED LITHIUM BATTERY AS HAZARDOUS WASTE AFTER FIRST NEUTRALIZING THROUGH APPROVED SECONDARY TREATMENT, A REQUIREMENT OF U.S. LAND BAN RESTRICTIONS OF THE HAZARDOUS AND SOLID WASTE AMENDMENTS OF 1984. (CONTINUED BELOW)

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

=====

Transport Information: THIS BATTERY IS NOT SUBJECT TO THE REQUIREMENTS OF THE DOT SUBCHAPTER C, HAZARDOUS MATERIAL REGULATIONS BECAUSE IT MEETS THE REQUIREMENTS OF 173.185(C). EXEMPT FROM THE DOT HAZARDOUS MATERIALS SUBCHAPTER PROVIDING THEY ARE SEPARATED TO PREVENT SHORT CIRCUITS AND PACKED IN STRONG PACKING FOR CONDITIONS NORMALLY ENCOUNTERED IN TRANSPORTATION. CONSIDERED NON-DANGEROUS BY "ICAO" AND "IATA" BECAUSE IT MEETS ALL THE REQUIREMENTS OF SPECIAL PROVISION "A45" LISTED IN 1998 ICAO HANDBOOK AND 1999 IATA HANDBOOK. MUST ASSURE PREVENTION FROM SHORT CIRCUITING AND SHIPPED IN STRONG PACKAGING.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate

and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.