View NSN Online: https://aerobasegroup.com/nsn/6135-01-383-0151

Product ID:23386-1600361-(1) BATTERY, NON-RECHARGEABLE MSDS Date:09/26/1996 FSC:6135 NIIN:01-383-0151 Status Code:A **MSDS Number: CJHGH** === Responsible Party === Company Name: RACAL COMMUNICATIONS INC Address:5 RESEARCH PL City:ROCKVILLE State:MD ZIP:20850-3213 Country:US Т nfo Phone Num:301-948-4420 Emergency Phone Num:301-948-4420 CAGE:23386 === Contractor Identification === Company Name: RACAL COMMUNICATIONS INC Address:5 RESEARCH PL Box:City:ROCKVILLE State:MD ZIP:20850-3213 Country:US Phone:301-948-4420 CAGE:23386

Ingred Name:LITHIUM CAS:7439-93-2 RTECS #:OJ5540000 Fraction by Wt: 0.5% GRAM Other REC Limits:NONE RECOMMENDED

Ingred Name:MANGANESE DIOXIDE CAS:1313-13-9 RTECS #:OP0350000 Fract ion by Wt: 5.6% GRAMS Other REC Limits:NONE RECOMMENDED OSHA PEL:C5 MG/M3 ACGIH TLV:5 MG/M3

Ingred Name:CARBON BLACK CAS:1333-86-4 RTECS #:FF5800000 Fraction by Wt: 0.4% GRAM Other REC Limits:NONE RECOMMENDED OSHA PEL:3.5 MG/M3 ACGIH TLV:3.5 MG/M3

Ingred Name:TEFLON CAS:9002-84-0 RTECS #:KX4025000 Fraction by Wt: 0.2% GRAM Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPYLENE CARBONATE (PC) CAS:108-32-7 RTECS #:FF9650000 Fraction by Wt: 0.25% GRAM Other REC Limits:NONE RECOMMENDED

Ingred N ame:ETHYLENE CARBONATE (EC) CAS:96-49-1 RTECS #:FF9550000 Fraction by Wt: 0.25% GRAM Other REC Limits:NONE RECOMMENDED

Ingred Name:DIMETHOXY ETHER (DME) Fraction by Wt: 1.2% GRAMS Other REC Limits:3 PPM (INDUST STD)

Ingred Name:LITHIUM TRIFLUOROMETHANE SULFONATE (LITFS) Fraction by Wt: 0.1% GRAM Other REC Limits:0.1 MG/M3 (3M CO)

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC

:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS: NONE. ACUTE AND CHRONIC
THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE BATTERY IS MECHANICALLY OR ELCTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL VENTS. PC IS MILDLY IRRITATING UPON EYE AND SKIN CONTACT. DME IS BELIEVED TO BE SLIGHTLY TO MODERATELY TOXIC . CONTACT OF ELECTROLYTE AND EXTRUDED LITHIUM WITH SKIN AND EYE SHOUL D BE AVOIDED. INHALATION AND INGESTION OF LITHIUM TRIFLUOROMETHANE SULFONATE MAY BE HARMFUL. LITHIUM CAN CAUSE THERMAL AND CHEMICAL BURNS UPON CONTACT WITH THE SKIN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure: IRRITATION OF SKIN OR EYES. LITHIUM CAN CAUSE THERMAL AND CHEMICAL BURNS UPON CONTACT WITH THE SKIN. DME MAY BE A REPRODUCTIVE HAZARD.

Medical Cond Aggravated by Exposure: AN ACUTE EXPOSURE WILL NOT GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

======= First Aid M

easures =======================

First Aid:IF LIQUID FROM LEAKER COMES IN CONACT WITH SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES AND CONTACT PHYSICIAN. DO NOT INHALE VENTED MATERIAL. I F IRRITATION PERSISTS, GET MEDICAL HELP.

Flash Point Method:OC Flash Point:135-143 CASE Lower Limits:2.3 Extinguishing Media:WATER Fire Fighting Procedures:THE PREFERRED PR OCEDURE IS TO RAPIDLY COOL THE BATTERIES AND ADJACENT STRUCTURES WITH WATER. Unusual Fire/Explosion Hazard:CELLS CAN VENT WHEN SUBJECTED TO EXCESSIVE HEAT. WHEN LARGE NUMBERS OF CELLS ARE INVOLVED INA FIRE, FIRE FIGHTERS SHOULD USE SCBA.

Spill Release Procedures: THE PREFERRED RESPONSE IS TO LEAVE THE AREA AND ALLOW BATTERIES TO COOL AND VAPORS TO DISSIPATE. AVOID SKIN AND EYE CONTACT OR INHALATION OF VAPORS . REMOVE SPILLED LIQUID WITH ABSORBENT AND INCINERATE . PREFERABLY, CLEAN-UP CREW SHOULD WEAR FULL-FACE RESPIRATOR (PARTICULATE/ORGANIC VAPOR CARTRIDGE).

Handling and Storage Precautions: AVOID MECHANICAL OR ELECTRICAL ABUSE.
 DO NOT ELECTRICALLY SHORT CIRCUIT OR ATTEMPT TO RECHARGE.
 Other Precautions: AVOID INCINERATION OR MUTILATION. BATTERIES MAY
 EXPLODE OR VENT IF DISASSEMBLED, CRUSHED, RECHARGED OR EXPOSED TO

FIRE OR HIGH TEMPERATURE. DO NOT SHORT CIRCUIT OR INSTALL WITH INCORRECT POLARITY.

Respiratory Protection:SCBA (FIRE): FULL-FACE RESPIRATOR WITH PARTICULATE/ORGANIC CARTRIDGE (SPILL) Ventilation:N/A IN CASE OF VENTING, PROVIDE AS MUCH VENTILATION AS POSSIBLE Protective Gloves:BUTYL Eye Protection:SAFETY GLASSES Supplemental Safety and Health PART NUMBER: SS1600351-1

======== Physical/Chemical Prope

HCC:Z6 Boiling Pt:B.P. Text:EC-244,PC=242,DME=85 Melt/Freeze Pt:=180.C, 356.F M.P/F.P Text:LITHIUM Vapor Pres:EC-.01,PC-.03,DME-61 Vapor Density:EC-3.04 Spec Gravity:EC-1.322,PC-1.203,DME-.87 Evaporation Rate & amp; Reference:DME-4.99 (BUTYLACETATE=1) Appearance and Odor:BATTERY PACK SEALED (CONTAINS 9 EA DL 2/3A LITHIUM CELLS)

Stability Indicator/Materials to Avoid:YES Stability Condition to Avoi

d:DO NOT HEAT, DISASSEMBLE, OR RECHARGE

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. USUALLY MAY BE DISPOSED OF IN SECURED LANDFILL. OPEN CELLS SHOULD BE TREATED AS HAZARDOUS WASTE.

Transport Information:NO INORMATION PROVIDED

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