

RACAL COMMUNICATIONS INC -- 3100424-501;B4044015(WAS84009009) NICAD
BATT,RECHARGEABLE -- 6140-01-251-8652

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

Product ID:3100424-501;B4044015(WAS84009009) NICAD BATT,RECHARGEABLE

MSDS Date:10/06/1996

FSC:6140

NIIN:01-251-8652

MSDS Number: CFLFJ

=== Responsible Party ===

Company Name:RACAL COMMUNICATIONS INC

Address:5 RESEARCH PL

City:ROCKVILLE

State:MD

ZIP:20850-321

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Country:US

Info 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

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

Ingred Name:NICKEL (SARA 313) (CERCLA) (20-30% AS NI) INCLUDES INGRED

2.

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 20-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9596

Ingred Name:NICKEL HYDROXIDE (SARA 313) (CERCLA)
CAS:12054-48-7
RTECS #:QR7040000
Fraction by Wt: SEE #1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG(NI)/M3
ACGIH TLV:0.1 MG(NI)/M3; 9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM (SARA 313) (CERCLA) (13-15% AS CA) INCLUDES INGRED
4.
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: 13-15%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.2 MG/M3 DUST; Z-2
ACGIH TLV:0.01 MG/M3 DUST;9596
E
PA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE
CAS:21041-95-2
Fraction by Wt: SEE #3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.05 MG CD/M3
ACGIH TLV:0.05 MG CD/M3

Ingred Name:COBALT (SARA 313) (1-2% AS CO) INCLUDE INGRED 6.
CAS:7440-48-4
RTECS #:GF8750000
Fraction by Wt: 1-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 MG/M3
ACGIH TLV:0.02 MG/M3; A3; 9596

Ingred Name:COBALT HYDROXIDE
CAS:1307-86-4
RTECS #:GG0904000
Fraction by Wt: SEE #5%
Other REC Limits:NONE RECOM

MENDED
OSHA PEL:0.05 MG/M3(COBALT)
ACGIH TLV:0.1 MG/M3

Inged Name:POTASSIUM HYDROXIDE (CERCLA) (2-4% AS DRY KOH)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 2-4%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO
IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ELECTROLYTE (KOH)IS CAUSTIC, CONTACT
W/SKIN OR EYES MAY CAUSE IRRIT.
Explanation of Carcinogenicity:PER
MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO.

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

First Aid:IF LIQUID FROM LEAKER COMES IN CONTACT W/SKIN, REMOVE IMMED
W/WATER.FOR EYE CONTACT FLUSH W/RUNNING WATER FOR @LEAST 15MINS AND
CONTACT PHYSICIAN.

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===== Fire Fighting Measures =====
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Flash Point:NA
Autoignition Temp:Autoignition Temp Text:NA
Lower Limits:NA
Upper Limits:NA
Unusual Fire/Explosion Hazard:MAY BURST WHEN SUBJ TO EXTREME
HEAT.CADMIUM FUMES MAY BE RELEASE DURING BURNING.

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

Spill Release Procedures:AVOID SKIN AND EYE CONTACT.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT E

LECTRICALLY SHORT CIRCUIT, USE
PROPER BATTERY CHARGER.

Other Precautions:AVOID INCINERATION OR MUTILATION.

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

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:NA

App

Appearance and Odor:5 CYLINDRICAL NICAD BATT CELLS INSIDE

CASE,7.6"LX1.0"DIA,MAX WT=5LBS.

Percent Volatiles by Volume:NP

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:IN ACCORDANCE WITH LCO STATE AND FEDERAL
REGULATIONS, USUALLY MAY BE DISPOSED OF IN SECUR
ED LANDFILL.

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