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DURACELL INC TECHNICAL SALES & MARKETING GROUP -- PC1604 PROCELL ALKALINE MANGANESE DIOXIDE CELL -- 6135-00-900-2139

Product ID:PC1604 PROCELL ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:09/12/1995

FSC:6135

NIIN:00-900-2139

MSDS Number: CFMRC === Responsible Party ===

Company Name: DURACELL INC TECHNICAL SALES & MARKETING GROUP

Address:BERKSHIRE INDUSTRIAL PARK BLD

G 9

City:BETHEL State:CT

ZIP:06801 Country:US

Info Phone Num:800-243-9540/FAX 203-796-4518 Emergency Phone Num:203-796-4682/203-796-4575

CAGE:90303

=== Contractor Identification ===

Company Name: DURACELL INC TECHNICAL SALES AND MARKETING GROUP

Address:BERKSHIRE CORPORATE PARK

Box:City:BETHEL

State:CT ZIP:06801 Country:US

Phone:203-796-4000

CAGE:90303

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

Ingred Name:POTASSIUM HYDROXIDE (CERCLA) (KOH)

CAS:1310-58-3 RTECS #:TT2100

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Fraction by Wt: 8%

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

Ingred Name: MANGANESE DIOXIDE (MNO2)

CAS:1313-13-9

RTECS #:OP0350000 Fraction by Wt: 37%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:5 MG MN/M3 CEILING

ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC (SARA 313) (CERCLA) (ZN)

CAS:7440-66-6

RTECS #:ZG8600000 Fraction by Wt: 15%

Other REC Limits: NONE RECOMMENDED

EPA Rpt Qtv:1000 LBS

:WATER (H2O) CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: 11%

Other REC Limits: NONE RECOMMENDED

Ingred Name:CARBON (C)

Fraction by Wt: 4%

Other REC Limits: NONE RECOMMENDED

Ingred Name:STEEL Fraction by Wt: 18%

Other REC Limits: NONE RECOMMENDED

Ingred Name:BRASS Fraction by Wt: 2%

Other REC Limits: NONE RECOMMENDED

Ingred Name:PLASTIC Fraction by Wt: 4%

Other REC Limits: NONE RECOMMENDED

Ingred Name:PAPER Fraction by Wt: 1%

Other REC Limits: NONE RECOMMENDED

Ingred Name: MERCURY (SARA 313) (CERCLA); BATT DONT CONTAIN ANY

INTENTIONALLY ADDED HG.IF ANY PRESENT WOULD BE TRACE QUANT AS

CONTAMIN CAS:7439-97-6

RTECS #:OV4550000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C, 0.1 MG/M3; Z-2 ACGIH TLV:S,0.025 MG/M3; A4;96

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO He

alth Hazards Acute and Chronic:THESE CHEMS/METALS CONTAINED IN SEALED CAN.POTENTIAL FOR EXPO SHOULDNT EXIST UNLESS BATT LEAKS,IS EXPO TO HIGH TEMPS,IS ACCIDENTALLY SWALLOWED OR IS MECHANICALLY/PHYS/ELECTRICALLY ABUSED.MOST LIKELY R ISK IS ACUTE EXPO WHEN CELL LEAKS.POTASSIUM HYDROXIDE(KOH)CAUSTIC,SKIN CONTACT CAN CAUSE BURNS,EYE CONTACT MAY (SUPPLE) Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY:NTP/IARC/OSHA:NO. Effects of Overexposure:SKIN & EYE CONTACT W/POTAS SIUM HYDROXIDE (KOH) MAY CAUSE CHEMICAL BURNS. Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.
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First Aid:IF LEAKAGE FROM CELL CONTACTS SKIN FLUSH IMMED W/WATER.FOR EYE CONTACT FLUSH W/COPIOUS AMTS OF WATER FOR 15MINS & SEE PHYSICIAN @ONCE.IF VAPOR IS INHALED REMOVE TO FRESH AIR.
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Flash Point:NA Autoignition Temp:Autoignition Temp Text:NP Lower Limits:NA Upper Limits:NA Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN FIRE. Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.
========= Accidental Release Measures ============
Spill Release Procedures:AVOI DSKIN/EYE CONTACT.DO NOT INHALE VAPORS. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.
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Handling a nd Storage Precautions:AVOID MECHANICAL OR ELECTRICAL ABUSE.USE NEOPRENE,RUBB,LATEX-NITRILE GLOVES WHEN HDNLG LEAKERS.STORE AT ROOM TEMPERATURE. Other Precautions:DONT ATTEMPT TO RECHARGE.INSTALL CELLS IN ACCORDANCE WITH EQPMT INSTRUCTIONS.DONT DISPO OF IN FIRE.REPLACE ALL BATT IN EQPMT @SAME TIME.DONT MIX BATT SYSTEMS SUCH AS ALKALINE & ZINC CARBON IN SAME EQP MT.DOT CARRY BATT LOOSE IN POCKET/BAG.
======= Exposure Controls/Personal Protection =========
Respira

tory Protection: NONE UNDER NORMAL CONDITIONS. Ventilation: SUBSEQUENT TO FIRE PROVIDE AS MUCH VENTILATION AS POSSIBLE. Protective Gloves: NEOPRENE, RUB, LATEX-NITRILE WHEN LEAKING Eye Protection: SAF GLASSES WHEN HNDLG LEAKERS Other Protective Equipment:NONE Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health BPT(C):KOH:1320,MNO2:NA,ZN:907. VAP PRES(MMHG):KOH/MNO2:NA,ZN:1@487C. SOLUBILITY:KOH:50%,MNO2/ZN:0%. SPEC GRAV:KOH:2.0,MNO2:5.0,ZN:7.14. MELT PT(C):KOH :360,MNO2:535,ZN:420. HEALTH:CAUSE PERM EYE INJUR Y.POTENTIAL DOESNT EXIST FOR CHRONIC EXPO. MAY EXPLO @EXCESSIVE TEMPS.DISPO SHOULD BE IAW ALL APPLIC FED/STATE/LOC REGS. ======== Physical/Chemical Properties ============ HCC:N1 Boiling Pt:B.P. Text:SUPPLEMENTA Melt/Freeze Pt:M.P/F.P Text:SUPPLEMENTA Decomp Temp:Decomp Text:NP Vapor Pres:SUPPLEMENT Vapor Density:NA Spec Gravity:SUPPLEMENTAL pH:NP Viscosity:NP Evaporation Rate & Deference: NA Solubility in Water:SUP **PLEMENTAL** Appearance and Odor:KOH:CLEAR LIQ; MNO2:BLACK POWDER; ZN:GRAY POWDER. Percent Volatiles by Volume:NP Corrosion Rate:NP ======== Stability and Reactivity Data ========== Stability Indicator/Materials to Avoid:YES NONE SPECIFIED BY MANUFACTURER. Stability Condition to Avoid: DONT HEAT, DISASSEMBLE, OR RECHARGE. Hazardous Decomposition Products: WHEN HEATED CELLS MAY EMIT VAPORS OF CAUSTIC POTASSIUM HYDROXIDE (KOH). ===== Disposal Considerations ===

Waste Disposal Methods:SPENT/USED BATT SHOULD BE DISPO OF IN SM QUANT W/NORMAL TRASH.DURACELL DOESNT RECOMMENDED THAT SPENT BATT BE ACCUMULATED HOWEVER IF THEY ARE QUANT OF 5 GALLONS/MORE SHOULD BE DISPO OF IN SECURE LANDFI LL.BATT SHOULDNT BE INCINERATED SINCE CELLS(SUPPL)

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