

DURACELL INC TECHNICAL SALES AND MARKETING GROUP -- PC640A,ALKALINE MANGANESE DIOXIDE CELL -- 6135-01-442-0888

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

Product ID:PC640A,ALKALINE MANGANESE DIOXIDE CELL

MSDS Date:04/21/1993

FSC:6135

NIIN:01-442-0888

Status Code:A

MSDS Number: CKPRK

=== Responsible Party ===

Company Name:DURACELL INC TECHNICAL SALES AND MARKETING GROUP

Address:BERKSHIRE CORPORATE PARK

City:BETHEL

State:CT

ZIP:06801

Country:US

Info Phone Num:203-796-4000

Emergency Phone Num:203-796-4000

Preparer's Name:NOT PROVIDED

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 (KOH)

CAS:1310-58-3

RTECS #:TT2100000

Minumum %

Wt:8.8

Maxumum % Wt:14.8

Other REC Limits:NOT PROVIDED

OSHA PEL:2 MG/M3 (C)

ACGIH STEL:C2 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE (MNO2)

CAS:1313-13-9

RTECS #:OP0350000

Minumum % Wt:24.7

Maxumum % Wt:31.8

Other REC Limits:NOT PROVIDED

OSHA PEL:C5 MG/M3

ACGIH TLV:5 MG/M3

Ingred Name:ZINC (ZN)

CAS:7440-66-6

RTECS #:ZG8600000

LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURY (HG)
CAS:7439-97-6
RTECS #:OV4550000
Minumum % Wt:.18
Maxumum % Wt:.58
Other REC Limits:NOT PROVIDED
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:0.025 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE/CHRONIC HEALTH HAZARD:
THESE

CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE BATTERY IS MECHANICALLY, PHYSICALLY OR ELECTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL LEAKS. KOH IS CAUSTIC AND SKIN CONTACT CAN CAUSE BURNS. EYE CONTACT WITH KOH MAY CAUSE PERMANENT INJURY.

Explanation of Carcinogenicity:NONE
Effects of Overexposure:SKIN AND EYE CONTACT WITH KOH MAY CAUSE CHEMICAL BURNS. AT ELEVATED TEMPERATURE, HG VAPOR MAY BE GENERATED WHICH SHOULD NOT BE INHALED.
Medical Cond Aggravated by Exposure:AN ACUTE EXPOSURE WILL NOT GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

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

First Aid:IF LEAKAGE FROM A CELL CONTACTS THE SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND SEE PHYSICIAN AT ONCE.

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===== Fire Fighting Measures =====

Fire Fighting Procedures:FIRE FIGHTERS

SHOULD USE SELF-CONTAINED BREATHING APPARATUS WHEN A LARGE NUMBER OF CELLS ARE INVOLVED IN A FIRE.

Unusual Fire/Explosion Hazard:CALLS MAY RELEASE TOXIC ZINC FUMES WHEN EXPOSED TO FIRE.

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

Spill Release Procedures:AVOID SKIN AND EYE CONTACT.
Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:AVOID MECHANICAL, PHYSICAL OR ELECTRICAL

ABUSE. USE NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES WHEN HANDLING LEAKERS. STORE AT ROOM TEMPERATURE.

Other Precautions:DO NOT ATTEMPT TO RECHARGE. INSTALL CELLS IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS. DO NOT DISPOSE OF IN FIRE. REPLACE ALL BATTERIES IN EQUIPMENT AT THE SAME TIME. DO NOT MIX BATTERY SYSTEMS SUCH AS ALKALINE AND ZINC CARBON IN THE SAME EQUIPMENT. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG.

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

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Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE.

Ventilation:SUBSEQUENT TO A FIRE, PROVIDE AS MUCH VENTILATION AS POSSIBLE.

Protective Gloves:NEOPRENE, RUBBER OR LATEX-NITRILE ARE RECOMMENDED WHEN HANDLING LEAKERS.

Eye Protection:SAFETY GLASSES WHEN HANDLING LEAKERS.

Other Protective Equipment:NONE

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

NONE

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

ies =====

HCC:Z7

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:NOT RELEVANT

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT RELEVANT

Spec Gravity:NOT RELEVANT

pH:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:BATTERY

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials t

o Avoid: YES

NOT PROVIDED

Stability Condition to Avoid: DO NOT HEAT, DISASSEMBLE, OR RECHARGE.

Hazardous Decomposition Products: WHEN HEATED, CELLS MAY EMIT HAZARDOUS FUMES OF ZN, HG AND CAUSTIC KOH.

===== Toxicological Information =====

Toxicological Information: NOT PROVIDED

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

Ecological: NOT PROVIDED

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

Waste Disposal Methods: IN

SMALL QUANTITIES, CELLS MAY BE DISPOSED OF WITH HOUSEHOLD TRASH. OPEN CELLS IN LARGE QUANTITIES SHOULD BE TREATED AS A HAZARDOUS WASTE. DO NOT INCINERATE SINCE CELLS MAY EXPLODE AT EXCESSIVE TEMPERATURES. DISPOSE IN ACCORDANCE WITH APPLICABLE REGULATIONS.

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

Transport Information: NOT PROVIDED

===== Regulatory Information =====

SARA Title III Information: NOT PROVIDED

Federal Re

gulatory Information: NOT PROVIDED

State Regulatory Information: NOT PROVIDED

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

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