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DURACELL INC TECHNICAL SALES & MARKETING GROUP -- TR146X, MERCURIC OXIDE CELL -- 6135-00-763-5793

Product ID:TR146X, MERCURIC OXIDE CELL

MSDS Date: 09/26/1990

FSC:6135

NIIN:00-763-5793 MSDS Number: BKLVP === Responsible Party ===

Company Name: DURACELL INC TECHNICAL SALES & MARKETING GROUP

Address: BERKSHIRE INDUSTRIAL PARK BLDG 9

City:BETHEL State:CT ZIP:06801

Cou ntry:US

Info Phone Num:203-796-4292

Emergency Phone Num:203-796-4654/617-449-7600

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 (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Other REC Limits: NONE SPECIFIED

OSHA PEL:C, 2 MG/M3

AC

GIH TLV:C 2 MG/M3; 9192 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: MERCURIC OXIDE (SARA III)

CAS:21908-53-2 RTECS #:OW8750000

Other REC Limits:NONE SPECIFIED OSHA PEL:0.1 MG HG/M3;SKIN;C ACGIH TLV:0.1 MG HG/M3; 9192

Ingred Name: MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000

Other REC Limits: NONE SPECIFIED

OSHA PEL:S, C, 0.1 MG/M3

ACGIH TLV:S, 0.05 MG/M3; 9192

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

Ingred Name:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Other REC Limits: NONE S

PECIFIED

OSHA PEL:10 MG ZNO/M3

ACGIH TLV:10 MG ZNO/M3; 9192

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Other REC Limits: NONE SPECIFIED

OSHA PEL:5 MG/M3 CEILING

ACGIH TLV:5 MG/M3 (AS MN DUST)

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

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

Health Hazards Acute and Chronic:THESE CHEMICALS ARE CONTAINED IN

SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE CELL IS MECHANICALLY OR ELECTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE EXPOSURE WHEN A CELL LEAKS. KOH IS CAUST IC. SKIN CONTACT CAN PRODUCE BURNS. EYE CONTACT CAN RESULT IN SEVERE, PERMANENT INJURY. MERCURY INTOXICATION POSSIBLE

Effects of Overexposure:SKIN AND EYE CONTACT WITH KOH MAY CAUSE CHEMICAL BURNS. AT ELEVATED TEMPERATURES, MERCURY VAPOR MAY BE GENERATED WHICH SHOULD NOT BE INHALED.

Medical Cond Agg

ravated by Exposure: AN ACUTE EXPOSURE WILL NOT GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

First Aid:IF LEAKAGE FROM CELL COMES INTO CONTACT WOTH THE SKIN, FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH EYES IMMEDIATELY WOTH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND SEE A PHYSICIAN AT ONCE. FOR INHALATION OF HG VAPORS, REMOVE TOFRESH AIR.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE SELF-CONTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE.
Unusual Fire/Explosion Hazard:CELLS MAY RELEASE TOXIC MERCURY VAPOR WHEN THE INTEGRITY OF THE CAN IS BROKEN.

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

Spill Release Procedures: AVOID SKIN AND EYE CONTACT. DO NOT INHALE VAPORS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:USE NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES WHEN HANDLING LEAKERS. STORE AT ROOM TEMPERATURE.

Other Precautions:AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUITS. INSTALL CELLS IN ACCORDANCE WITH EQUIPMENT. DO NOT DISPOSE OF IN A FIRE. REPLACE ALL BATTERIES IN EQUIPMENT AT THE SAME TIME.

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

Respiratory Protection: SELF-CO

NTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE.

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

Protective Gloves: NEOPRENE, RUBBER OR LATEX-NITRILE GLOVES

Eye Protection: SAFETY GLASSES WHEN HANDLING LEAKERS.

Other Protective Equipment: NONE.

Supplemental Safety and Health

DO NOT MIX BATTERY SYSTEMS SUCH AS ALKALINE AND ZINC CARBON IN SAME EQUIPMENT. DO NOT CARRY BATTERIES LOOSE IN POCKET, PURSE, OR BAG.

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

======= Physical/Chemical P

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

Hazardous Decomposition Products:WHEN HEATED, CELLS MAY EMIT HAZARDOUSS HG VAPORS AND CAUSTIC KOH.

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

Wast

e Disposal Methods:CHECK WITH YOUR LOCAL ENVIRONMENTAL AGENCIES OR DURACELL FOR INFORMATION REGARDING THE PROPER DISPOSAL OF LARGE QUANTITIES OF MERCURY BATTERIES. LARGE QUANTITIES OF OPEN CELLS SHOULD BE TREATED AS HA ZARDOUS WASTE. DO NOT INCINERATE.

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