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GILLETTE MEDICAL EVALUATION LABORATORIES -- DURACELL ALKALINE BATTERIES

6135-00-100-0398

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

Product ID:DURACELL ALKALINE BATTERIES

MSDS Date:05/13/1999

FSC:6135

NIIN:00-100-0398

Status Code:A

MSDS Number: CLNBV === Responsible Party ===

Company Name: GILLETTE MEDICAL EVALUATION LABORATORIES

Address:401 PROFESSIONAL DRIVE

City:GAITHERSBURG

State:MD ZIP:20879 Count

ry:US

Info Phone Num:301-590-9781

Emergency Phone Num:301-590-9781

Resp. Party Other MSDS Num.:GMEL# 1487

CAGE:TO361

=== Contractor Identification ===

Company Name: GILLETTE MEDICAL EVALUATION LABORATORIES

Address:401 PROFESSIONAL DRIVE

Box:City:GAITHERSBURG

State:MD ZIP:20879 Country:US

Phone:301-590-9781

CAGE:TO361

Company Name: MILNUCORP INC Address: 3220-A INDUSTRIAL WAY

Box:City:SNELLVILLE

State:GA ZIP:30039 Country:US

Phone:404-524-3181 / FAX: 770-736-5094 Contract Num:SP0400-01-A-AC75-0869

С

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

Ingred Name: MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000 Minumum % Wt:35. Maxumum % Wt:40.

Other REC Limits: 0.2 MG/M3 DURACELL

OSHA PEL:C5 MG/M3 ACGIH TLV:5 MG/M3

Ingred Name:ZINC

CAS:7440-66-6

RTECS #:ZG8600000 Minumum % Wt:10. Maxumum % Wt:15.

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

Ingred Name:POTASSIUM HYDROXIDE (35%)

CAS:1310-58-3

RTECS #:TT2100000 Minumum % Wt:5. Maxumum % Wt:10.

OSHA PEL:5 MG/M3 R DU

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ACGIH TLV:2 MG/M3 C ACGIH STEL:C2 MG/M3 EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: GRAPHITE, NATURAL OR GRAPHITE, SYNTHETIC (CAS 7440-44-0)

CAS:7782-42-5

RTECS #:MD9659600

Minumum % Wt:1. Maxumum % Wt:5.

OSHA PEL:SEE TABLE Z-3

ACGIH TLV:2 MG/M3

Ingred Name:ZINC OXIDE

CAS:1314-13-2

RTECS #:ZH4810000

< Wt:1.

OSHA PEL:5 MG/M3 R DUST ACGIH TLV:10 MG/M3 DUST

Ingred Name:SOME ALKALINE BATTERIES CONTAIN A DURACELL POWER CHECK BATTERY ENERGY GAUGE, A NONHAZARDOUS CONDUCTIVE STRI

FOR 15 MINUTES. GET MEDICAL ATT ENTION FOR TREATMENT AND TO RULE OUT INVOLVEMENT OF THE ESOPHAGUS AND OTHER TISSUES.

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA Upper Limits:NA

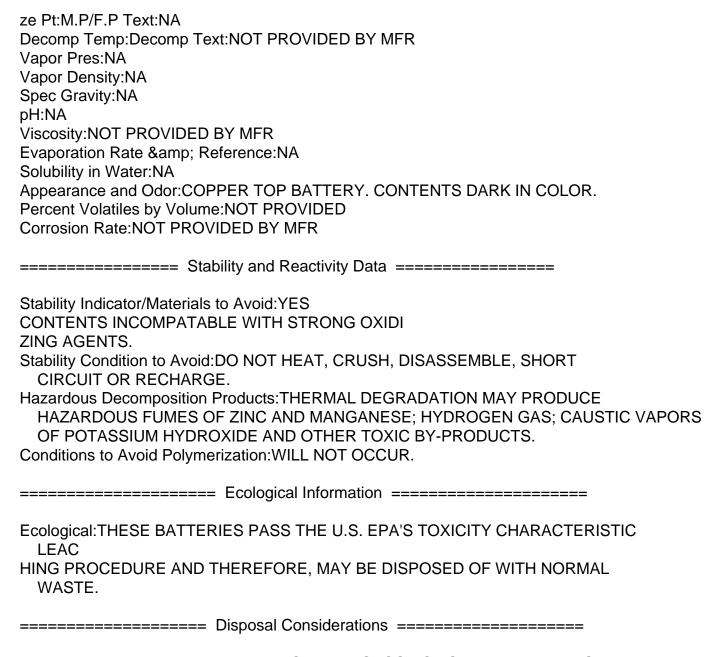
Extinguishing Media: AS APPROPRIATE FOR SURROUND

ING FIRE.
Fire Fighting Procedures: USE SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:BATTERIES MAY BURST AND RELEASE HAZARDOUS DECOMPOSITION PRODUCTS WHEN EXPOSED TO A FIRE SITUATION.
======== Accidental Release Measures ==========
Spill Release Procedures:NOTIFY SAFETY PERSONNEL OF LARGE SPILLS. CAUSTIC POTASSIUM HYDROXIDE MAY BE RELEASED FROM LEAKING OR RUPTURED BATTERIES. AVOID EYE OR SKIN CONTACT AND INHALATIO N OF
VAPORS. INCREASE VENTILATION. CLEAN -UP PERSONNEL SHOULD WEAR APPROPRIATE PROTECTIVE GEAR. Neutralizing Agent:NOT PROVIDED BY MFR
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Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT SHORT OR INSTALL INCORRECTLY. BATTERIES MAY EXPLODE, PYROLIZE OR VENT IF DISASSEMBLED, CRUSHED, RECHARGED OR EXPOSED TO HIGH TEM PERATURES INSTALL BATTERIES IN ACCOR DANCE WITH EQUIPMENT INSTRUCTIONS. Other Precautions:DO NOT MIX BATTERY SYSTEMS, SUCH AS ALKALINE AND ZINC CARBON, IN THE SAME EQUIPMENT. REPLACE ALL BATTERIES IN EQUIPMENT AT THE SAME TIME. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG. DO NOT REMOVE B ATTERY TESTER OR BATTERY LABEL. KEEP BATTERIES AWAY FROM SMALL CHILDREN
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NONE UNDER NORMAL USE CONDITIONS. Ventilation:GENERAL VENTILATION UNDER NORMAL CONDITIONS. Protective Gloves:NONE UNDER NORMAL CONDITIONS. NEOPRENE, RUBBER/ LATEX-RUBBER GLOVES FOR LEAKERS Eye Protection:NONE UNDER NORMAL USE CONDITIONS. WEAR SAFETY GLASSES WHEN HANDLING LEAKERS. Other Protective Equipment:NOT PROVIDED BY MFR,
Work Hygienic Practices:NOT PROVIDED BY MFR. Supplemental Safety and Health

KEEP BATTERIES AWAY FROM SMALL CHILDREN.

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

HCC:Z7 Boiling Pt:B.P. Text:NA Melt/Free



Waste Disposal Methods:INDIVIDUALS MAY DISPOSE OF SPENT BATTERIES WITH HOUSEHOLD TRASH. DURACELL DOES NOT RECOMMEND THAT SPENT BATTERIES BE ACCUMULATED. QUANTITIES OF FIVE GALLONS OR MORE SHOULD BE DISPOSED OF IN A SECURE L ANDFILL, IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATIONS. DO NOT INCINERATE; B ATTERIES MAY

EXPLODE AT EXCESSIVE TEMPERATURES.
======== MSDS Transport Information ==========
Transport Information:DOT HAZARD CLASS: NOT APPLICABLE. DOT SHIPPING NAME: NOT APPLICABLE. PLEASE NOTE: THESE BATTERIES ARE NOT REGULATED BY U.S. DOT OR INTERNATIONAL AGENCIES AS HAZARDOUS MATERIALS OR DANGEROUS GOODS WHEN SHIPPED. DURACELL USES THE ARTICLE NAME "ALKALINE BATTERIES - NON-HAZARDOUS" ON ALL DOMESTIC AND INTERNATIONAL BILLS OF LADING.
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Federal Regulatory Information:ALL INGREDIENTS LISTED IN TSCA INVENTORY.
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