

DURACELL INC TECHNICAL SALES & MARKETING GROUP -- ZINC/CARBON DRY CELL BATTERY --
6135-00-921-6487

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

Product ID:ZINC/CARBON DRY CELL BATTERY

MSDS Date:09/26/1990

FSC:6135

NIIN:00-921-6487

MSDS Number: BJKWD

=== Responsible Party ===

Company Name:DURACELL INC TECHNICAL SALES & MARKETING GROUP

Address:BERKSHIRE INDUSTRIAL PARK BLDG 9

City:BETHEL

State:CT

ZIP:06801

C

Country:US

Info Phone Num:203-796-4000

Emergency Phone Num:203-796-4000 OR 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:ZINC (SARA III)

CAS:7440-66-6

RTECS #:ZG8600000

Fraction by Wt: 29%

Other REC Limits:NONE SPECIFIED

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
Fraction by Wt: 37%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC CHLORIDE (SARA III)
CAS:7646-85-7
RTECS #:ZH1400000
Fraction by Wt: 9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3/2 STEL
ACGIH TLV:1 MG/M3/2STEL FUME93
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

=====
Hazards Iden
tification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS AN ARTICLE AND IS NOT
HAZARDOUS UNTIL THE OUTER CASE IS BREECHED. HEALTH DATA IS GIVEN
FOR THIS UNLIKELY OCCURANCE. WITH RUPTURE OF THE CASE, THE ZINC
OXIDE FUMES MAY CAUSE METAL FUME FEV ER.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS
A CARCINOGEN.
Effects of Overexposure:IRRIRATION OF THE CONTACTED BODY PARTS, I.E.
EYES, SKIN, RESPIRATORY OR G/I TRACT. METAL FUME FEVER: FEVER,
CHILLS, OTHER FLU-LIKE SYMPTOMS.
Medical Cond Aggravated by Exposure:ACUTE CONTACT SHOULD NOT AGGRAVATE
ANY MEDICAL CONDITION.

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First Aid Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE
REUS

E. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.

Fire Fighting Proc

edures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE RUPTURE OF THE CASE AND RELEASE OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:IF CASE IS LEAKING, AVOID CONTACT. SOAK UP WITH CLOTH OR PAPER TOWEL OR INERT ABSORBENT.

PUT IN DISPOSAL

CONTAINER. REMOVE RESIDUE WITH WATER.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY, AREA. AVOID MECHANICAL OR ELECTRICAL ABUSE. USE IMPERVIOUS GLOVES TO HANDLE LEAKERS.

Other Precautions:DO NOT ATTEMPT TO RECHARGE. DO NOT INCINERATE. INSTALL IN ACCORDANCE WITH EQUIPMENT INSTRUCTIONS AND REPLACE ALL CELLS AT THE SAME TIME. DO NOT MIX BATTERY SYSTEMS IN TH

E SAME

EQUIPMENT. DO NOT CA RRY LOOSE IN POCKET OR BAG.

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

Respiratory Protection:USE SELF CONTAINED BREATHING APPARATUS IN EVENT OF FIRE. OTHERWISE NO PROTECTION IS NECESSARY.

Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT.

Protective Gloves:IMPERVIOUS WHEN HANDLING LEAKERS.

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER WHEN WORKING WITH LEAKING CELLS.

Work Hygienic Pr

actices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID
UNNECESSARY CONTACT WITH ANY OF THE CONTENTS.
Supplemental Safety and Health
MFR STATES THAT THEIR CELLS ARE NOT HAZARDOUS ITEMS AS DEFINED BY
PREVAILING LAW.

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

HCC:N1

Appearance and Odor:METAL CASE DRY CELL BATTERY

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

Stability Indicator/Materials to Avoid:YES
NONE GIVEN BY MANUFACTURER (SUPPLIER).

Stabi

lity Condition to Avoid:HIGH TEMPERATURES, AND OPEN FLAMES. DO
NOT DISASSEMBLE CASE.

Hazardous Decomposition Products:ZINC FUMES WHEN OVERHEATED

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

Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL
REGULATIONS. MANUFACTURER SUGGESTS THAT PRODUCT MAY BE TREATED AS
ORDINARY WASTE. OPEN CELLS IN LARGE QUANTITIES SHOULD BE HANDLED
AS HAZARDOUS WASTE. DO NOT INCINERATE!!!

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