

RAYOVAC CORP -- ALKALINE BATTERY (ARTICLE),NO MERCURY FORMULA -- 6135-00-985-7846

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Product Identification
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Product ID:ALKALINE BATTERY (ARTICLE),NO MERCURY FORMULA

MSDS Date:07/25/1996

FSC:6135

NIIN:00-985-7846

MSDS Number: BZ NJY

=== Responsible Party ===

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

Box:44960

City:MADISON

State:WI

ZIP:53744-4960

Country:US

Info Phone Num:608-275-

4495/FAX 608-275-4992

Emergency Phone Num:608-275-4495/4783

CAGE:77542

=== Contractor Identification ===

Company Name:GENERAL ELECTRIC CO AIRCRAFT ELECTRONICS DIV

Address:FRENCH RD

Box:City:UTICA

State:NY

ZIP:13503

Country:US

Phone:315-793-7000

CAGE:99971

Company Name:RAYOVAC CORP

Address:601 RAYOVAC DRIVE

Box:City:MADISON

State:WI

ZIP:53711

Country:US

Phone:608-275-4735/800-255-3924

CAGE:77542

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Composition/Information on Ingredients
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Ingred Name:MANGANESE DIOXIDE

C

AS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 32 - 38%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:STEEL/IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 19 - 23%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG/M3 (TDUST)
ACGIH TLV:5 MG/M3 (OXIDE FUME)

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 11 - 16%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 9 - 13%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 5 - 9%
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:CARBON/GRAPHITE, SYNTHETIC
CAS:7440-44-0
RTECS #:FF5250100
Fraction by Wt: 3 - 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3

TDUST
ACGIH TLV:2 MG/M3 TDUST; 9596

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Hazards Identification
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LD50 LC50 Mixture:NOT RELEVANT
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:NONE UNLESS BATTERY RUPTURES. ACUTE- CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF BATTERY IS MECHANICALLY/ELECTRICALLY ABUSED. INGESTION OF BATTERY CAN BE HARMFUL. IF BATTERY LEAKS, CAN CAUSE BURNS OF GI TRACT, EYES, SKIN & RESPIRATORY TRACT. CAN CAUSE EYE INJURY. CHRONIC- UNK.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:NONE UNLESS THE BATTERY IS LEAKING: BURNS, PAIN, EYE DAMAGE
Medical Condition Aggravated by Exposure:AN ACUTE EXPOSURE WILL NOT GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

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First Aid Measures
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First Aid:IF INGESTED, DO NOT INDUCE VOMITING NOR GIVE FOOD/DRINK. SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE (202-625-3333) COLLECT DAY/NIGHT. IF INHALED, PROVIDE FRESH AIR & CALL A DOCTOR. IF SKIN IS CONTAMINATED, REMOVE CLOTHING & WASH SKIN WITH SOAP & WATER. IF IRRITATION PERSISTS, SEE DOCTOR. FOR EYE, FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. SEE DOCTOR.

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Fire Fighting Measures
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Flash Point:NOT RELEVANT
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:IN BULK STORAGE AREAS, USE FOAM OR DRY CHEMICAL. WATER MAY CAUSE ELECTRICAL SHORTS.
Fire Fighting Procedures:AS WITH ANY FIRE, WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS OR SMOKE
Unusual Fire/Explosion Hazard:LIKE ANY SEALED CONTAINER, BATTERY CELLS MAY RUPTURE RESULTING IN RELEASE OF CORROSIVE MATERIALS.

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Accidental Release Measures
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Spill Release Procedures:IF BROKEN, COLLECT AND TRANSFER TO PROPER CONTAINER FOR DISPOSAL. WEAR GLOVES. AVOID EYE AND SKIN CONTACT.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN DRY PLACE. KEEP OUT OF REACH OF SMALL CHILDREN.
Other Precautions:DO NOT MIX BATTERY SYSTEMS SUCH AS ALKALINE AND ZINC CARBON IN SOME EQUIPMENT. DO NOT OPEN BATTERY, DIPOSE IN FIRE, RECHARGE, PUT IN BACKWARDS. MAY EXPLODE OR LEAK AND CAUSE PERSONAL INJURY. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG.

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

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS. WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE.
Ventilation:ADEQUATE
Protective Gloves:NATURAL RUBBER IF HANDLING LEAKERS
Eye Protection:SAFETY GLASSES+SIDE SHIELDS FOR LEAKERS
Other Protective Equipment:EYE WASH STATION, WASHING FACILITY
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.
Supplemental Safety and Health
DIFFERENT FORMULA. THIS BATTERY IS AN ARTICLE AND, AS SUCH, IS NOT SUBJECT TO OSHA HAZARD COMMUNICATION STANDARD REQUIREMENT FOR PREPARATION OF A MATERIAL SAFETY DATA SHEET, PER MSDS.

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

HCC:Z7
N
RC/State Lic Num:NOT RELEVANT
Decomp Temp:Decomp Text:NOT KNOWN
Spec Gravity:NOT RELEVANT
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:NOT RELEVANT
Appearance and Odor:ENCLOSED CYLINDRICAL OR RECTANGULAR SHAPE BATTERY, DRY - ODORLESS

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

Stability Indicator/Materials to Avoid:YES
NOT RELEVANT
Stability Condition to Avoid:HEAT, RECHARGING, DISASSEMBLING, SHORT CIRCUIT
Hazardous De

composition Products:OXIDES OR FUMES OF MANGANESE, ZINC,
POTASSIUM.

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

Waste Disposal Methods:DO NOT INCINERATE. DISPOSE OF IN LANDFILL IN
ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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