

EASTMAN KODAK CO. -- ALKALINE BATTERY (KAA, KAA-P TYPE) -- 6135-00-985-7845

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

Product ID:ALKALINE BATTERY (KAA, KAA-P TYPE)

MSDS Date:07/03/1996

FSC:6135

NIIN:00-985-7845

MSDS Number: BWSGL

=== Responsible Party ===

Company Name:EASTMAN KODAK CO.

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-722-5151

Emergency Phone Num:716-722-5151 202-625-3333

CAGE:19139

=== Contractor Identification

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Company Name:EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS

Address:343 STATE ST

Box:City:ROCHESTER

State:NY

ZIP:14650-1115

Country:US

Phone:716-722-5151/(800) 242-2424

CAGE:19139

Company Name:EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES

Address:800 LEE RD

Box:City:ROCHESTER

State:NY

ZIP:14650-3129

Country:US

Phone:800-828-6203

CAGE:5K871

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

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Fraction by W

t: 35-40%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 15-20%
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: 5-10%
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL
:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9394
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9394

Ingred Name:STEEL CASING
Fraction by Wt: 20-25%
Other REC Limits:NONE RECOMMENDED

Ingred Name:PAPER
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALLOY BRASSY
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Nam

e:PLASTIC
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:METALIZED PLASTIC LABEL
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV FOR POT HYDROXIDE IS 2MG/M3 CEILING
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SEALED BATTERY NO HAZARD EXPECTED
UNLESS BATTERY CONTENTS ARE RELEASED. EYES:MAY CAUSE BURNS OR
INJURY. SKIN:MAY CAUSE BURNS OR INJURY. INGESTION:MAY BE FATAL IF
SWALLOWED. INHALATION:MAY CAUSE RESPIRATORY IRRITATION.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:BATTERY CONTENTS MAY CAUSE BURNS OR INJURY.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First
Aid:SKIN:REMOVE CONTAMINATED CLOTHING;REMOVE METAL FRAGMENTS;WASH
WITH WATER.GET MEDICAL ATTENTION.EYES:FLUSH WITH WATER FOR 15
MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN
OR ARTIFICIAL RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE
VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF BATTERY WAS
CHEWED,RINSE MOUTH WITH WATER.

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

Flash Point:NONE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:FIRE OR HIGH TEMPERATURES MAY CAUSE
BATTERY TO VENT AND/OR EXPLODE OR LEAK HAZARDOUS VAPORS. DAMAGED OR
OPENED BATTERIES CAN RESULT IN RAPID HEATING.

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

Spill Release Procedures:NO SPECIAL REQUIREMENTS
Neutralizing Agent:NONE

PECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE BELOW 70F IN A
DRY,WELL-VENTILATED PLACE.AVOID HIGH TEMPERATURE AND HUMIDITY.
Other Precautions:DO NOT DISASSEMBLE,SHORT OR REVERSE POLARITY.AVOID
BREATHING VAPORS FROM LEAKERS.AVOID SKIN AND EYE CONTACT WITH
BATTERY CONTENTS.DO NOT ENCASE IN AIRTIGHT COMPARTMENTS(H2 GAS
HAZARD).

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.
Ventilation:SUPPLEMENTAL VENTILATION MAY BE NEEDED IN SPECIAL
CIRCUMSTANCES TO CONTROL FUMES/VAPORS TO AN ACCEPTABLE LEVEL.
Protective Gloves:IMPERVIOUS GLOVES.
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.
Other Protective Equipment:PROVIDE A LOCAL EYE WASH STATION.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING IF CONTENTS OF
BATTERY ARE RELEASED.
Supplemental Safety and Health
NOTE TO PHYSICIAN:INTACT BATTERIES SMALLER
THAN 22-25MM MAY PASS SAFELY
THROUGH THE GUT.

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

HCC:N1
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NEGLIGIBLE
Vapor Density:NOT GIVEN
Spec Gravity:NOT GIVEN
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:INSOLUBLE
Appearance and Odor:SOLID;ODORLESS.

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

Stability Indicator/Materials to Avoid:YES
NONE WITH CO

COMMON MATERIALS AND CONTAMINANTS WITH WHICH THE MATERIAL MAY
REASONABLY COME INTO CONTACT.

Stability Condition to Avoid:HIGH TEMPERATURES.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DO NOT INCINERATE OR EXPOSE TO FIRE. DISPOSE OF
IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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