

EASTMAN KODAK COMPANY -- 130 2884 K28A PHOTOLIFE/SUPRALIFE ALKALINE BATT --
6135-00-826-4798

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

Product ID:130 2884 K28A PHOTOLIFE/SUPRALIFE ALKALINE BATT

MSDS Date:04/06/1994

FSC:6135

NIIN:00-826-4798

MSDS Number: CFFFJ

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:

716-477-3194 MSDS :800- 242-2424

Emergency Phone Num:716-722-5151/NAT BAT PO202-625-3333

CAGE:19139

=== Contractor Identification ===

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

===== C

Composition/Information on Ingredients =====

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 20-25%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:ZINC (SARA 313) (CERCLA)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 1-5%
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: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; 9596

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:IRON
CAS:7439-89-6
RTECS #:NO4565500
Fraction by Wt: 60-65%
Other REC Limits:NONE RECOMMENDED

Ingred Na

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

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:MATL IN BATT SEAL IN BATT CASE POT FOR
EXPO TO COMPO NEGLIGIBLE WHEN BATT USED AS DIRECTED.TECHN/ELECT
BATT ABUSE MAY RESULT IN RELEASE OF CONTENTS.INHAL:HARMFUL.
CAUSE
IRRIT MUC MEMB/UPPER RESP TRACT. EYE:ELECTRO(LIQ)CONTACT CAUSE
BURNS.VAP/FUMES IRRIT,METAL CONTACT FRAGMENTS CAUSE BURNS/MECH
INJURY.SKIN:(SIGNS/SYMPATOM)
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY
CLASSIFICATION:IARC/ACGIH/NTP/OSHA:NONE.
Effects of Overexposure:HEALTH:ELECTRO(LIQ)CONTACT CAUSES BURNS.METAL
FRAGMENTS CONTACT CAUSE BURNS/MECH INJURY.HARMFUL IF ABSORBED THRU
SKIN.VAP/FUMES CAUSE IRRIT.INGEST:HAMRFUL.CAUSE GI BURNS.DR:BATT
INGEST SHOULD
NT BE MAN AGED IN SAME WAY AS OTHER SM METALLIC OBJ
INGEST.ASSASS BATT POS/INTEGRITY IN GI BY X-RAY.MECROSIS,TISSUE DMG
FRM LEAK.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:NOTE:ROUTINE HNDLG/USE OF INTACT NON-DMG BATT NOT EXPECTED TO
RESULT IN SITUATIONS THAT REQUIRE 1ST AID.BATT DMG DUE TO
OPN/CUT/CRUSH/OVERHEAT/IMPROPER INSTALL,EXPO TO FIRE/HI
TEMPS/RECHARGE CONTENTS M
AY BE RELEASED.INHAL:VAP/FUME FRM
VENT/LEAK BATT IRRIT RESP TRACT MOVE TO FRESH AIR.TREAT
SYMPT.SYMPTOMS PERSIST GET MED ATTN.EYE:CONTACT W/LIQ/METAL
CONTENTS OCCUR IMMED FLUSH W/PLENTY OF WATER(SUPP)

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

Autoignition Temp:Autoignition Temp Text:NP
Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS &
PROTECTIVE CLOTHING. FIRE OR EXCESSIVE H

EAT MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:FIRE/HIGH TEMPS MAY CAUSE BATT TO VENT
&/OR EXPLO OR LEAK HAZ VAP.DMG/OPN BATT CAN RESULT IN RAPID
HEATING,RELEASE OF HAZ VAPORS.

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:BATT DMG DONT BREATH FUME/VAP.DONT GET
BATT CONTE

NTS IN EYE/SKIN/CLOTH.DONT DISASSEMBLE/RECHARGE(RERESULT IN
LEAK,EXPLO,FLAME).KEEP AWAY FROM HEAT/FLAME

Other Precautions:AVOID USE OF OLD/NEW BATT/VARYING SIZES/TYPE IN SAME
BATT ASSEMBLY.BATT ELECTR CHARACT/CAPABILITES MAY VARY/DMG RESULT
TO BATT/EQPMT.AVOID ENCASING IN AIRTIGHT COMPARTMENTS.FLAMM H2 GAS
NORMALLY GENER ATED CAN FORM EXPLO MIX.AVOID REVERS POL

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

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventil

ation:SUPPLEMENTAL VENTILATION MAY BE NEEDED IN SPECIAL
CIRCUMSTANCES TO CONTROL FUMES/VAPORS TO ACCEPTABLE LEVEL.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS, GOGGLES.

Other Protective Equipment:WASHING FACILITIES.

Work Hygienic Practices:WASH CONTAM CLOTH BEF RESUE;DESTROY/CLEAN WELL
CONTAM SHOES.WASH THOROUGHLY AFT HNDLG.STORE IN COOL DRY PLACE
>21C.

Supplemental Safety and Health

1ST AID:@LEAST 15MINS.GET MED ATTN IMMED.SKIN:CONTACT W/BATT LIQ
/METAL

IMMED REMOVE FRAGMENTS,FLUSH W/LOTS OF H2O @LEAST 15MINS WHILE
REMOVING CONTAM CLOTH/SHOES.INGEST:CALL DR/POIS CNTRL CNTR IMMED.DO
NT INDUCE VOMIT.MAY LODGE IN THROAT/GI TRACT.LEAK/CHEW RINSE MOUTH
WELL W/H2O.22-25MM DIA BATT PASS SAF;LG ENDOS/SURG.

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

HCC:N1

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:Decomp Text:NP

Vapor Pres:NEGLIGIBLE

Vapor Density:NA

Spec Gravity:NA

pH:NA

Viscos

ity:NP
Evaporation Rate & Reference:NP
Solubility in Water:INSOLUBLE
Percent Volatiles by Volume:NA
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES
NONE W/COMMON MATERIALS & CONTAMINANTS WHICH WHICH MATERIAL MAY
REASONABLY COME INTO CONTACT.
Stability Condition to Avoid:DONT STORE IN MANNER THAT ALLOWS TERMINALS
TO SHORT CIRCUIT.HIG TEMPERATRUES/PROTECT FROM DIRECT SUNLIGHT.
Hazardous Decomposition Pro
ducts:OXIDES OF MANGANESE,OXIDES OF ZINC.

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

Waste Disposal Methods:DONT INCINERATE OR EXPO TO
FIRE.DISCHARGE/TREATMENT/DISPOSAL MAY BE SUBJECT TO
NATIONAL/STATE/LOCAL LAWS.CHEMS SUBJ TO REPORTING REQMTS OF SEC 313
TITLE III SARA/40CFR372:NOT APPLICABLE.

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