

EASTMAN KODAK COMPANY -- 124 9259 RP X-OMAT DEVELOPER REPLENISHER, PART C --  
6525-01-199-1985

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

Product ID:124 9259 RP X-OMAT DEVELOPER REPLENISHER, PART C

MSDS Date:04/23/1997

FSC:6525

NIIN:01-199-1985

Kit Part:Y

MSDS Number: BGQKZ

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Inf

o Phone Num:716-477-3194 MSDS :800- 242-2424

Emergency Phone Num:716-722-5151

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

===== Composition/

Information on Ingredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 40-45%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLUTARALDEHYDE  
CAS:111-30-8  
RTECS #:MA2450000  
Fraction by Wt: 40-45%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 0.2 PPM  
ACGIH TLV:C 0.2 PPM; 9596

Ingred Name:ACETIC ACID (CERCLA)  
CAS:64-19-7  
RTECS #:AF1225000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9596  
EPA Rpt Qty:5000 LBS  
D  
OT Rpt Qty:5000 LBS

Ingred Name:5-NITRO-1H-INDAZOLE  
CAS:5401-94-5  
RTECS #:NK7962000  
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:POSSIBLE RISK OF RESPIRAOTRY/SKIN  
SENS.MINOR COMPO(5-NITROINDAZOLE)MAY CAUSE LIVER DMG BASED

ON

ANIMAL DATA.INHAL:VAP IRRIT.ALTHOUGH ITS KNOWN THAT GLUTARALDEHYDE IS RESP TRACT IRRIT & MAY AGGRAVATE P RE-EXISTING ASTHAMTIC DISORDERS SUPPORTING DATA FOR RESPIRATORY SENS ARE LESS CONCLUSIVE.EYE:CAUSES SEVERE (SIGNS/SYPMTO)

Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY CLASSIFICATION:IARC/ACGIH/NTP/OSHA:NONE.

Effects of Overexposure:HEALTH:BURNS.VAPOR IRRIT.SKIN:CAUSES SEVERE BURNS.MAY CAUSE ALLERGIC SKIN REACTION.INGEST:HARMFUL IF SWALLOWED.MAY CAUSE BURNS OF GASTROINTESTINAL TRACT IF SWALLOWED.

Medical Cond Aggravated by Exposure:ALTHOUGH ITS KNOWN THAT GLUTARALDEHYDE IS A RESPIRATORY TRACT IRRITANT & MAY AGGRAVATE PRE-EXISTING ASTHMATIC DISORDERS, THE SUPPORTING DATA FOR RESPIRATORY SENSITIZATION ARE LESS CONCLUSIVE.

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

First Aid:INHAL:MOVE TO FRESH AIR.TREAT SYMPTOMATICALLY.SYMPTOMS OCCUR GET MED ATTN.EYES:IMMED FLUSH W/PLENTY OF WATER FOR @LEAST 15MIN

S.GET MED ATTN.SKIN:IMMED FLUSH W/PLENTY OF H2O FOR @LEAST 15MINS WHILE REM OVING CONTAM CLOTH/SHOES.GET MED ATTN IMMED.INGEST:DONT INDUCE VOMIT.GIVE A GLASS OF WATER.NEVER GIVE ANYTHING BY MOUTH IF UNCONSC.CALL DR/POIS CNTRL CNTR IMMED.

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

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NP

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2),DRY CHEMICAL,ALCOHOL FOAM.

Fire Fighting Procedures:WEAR SEL

F-CONTAIN BREATH APPARATUS/PROTECTIVE CLOTHING.FIRE/EXCESSIVE HEAT MAY PRODUCE HAZ DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:MAY FORM PEROXIDES OF UNKNOWN STABILITY.MAY CAUASE SPONTANEOUS HEATING & IGNITION WHEN ABSORBED ON COMBUSTIBLE,POROUS MTL(E.G. RAGS,PAPER,SAWDUST,COTTON,CLOTH).

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

Spill Release Procedures:FLUSH TO SEWER W/LG AMTS OF WATER.OTHERWISE ABSORB W/VERMICULITE OR OTHER INERT MATERIA

L, THEN PLACE IN

CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DONT GET IN EYES/SKIN/CLOTH.AVOID BREATH VAP.USE W/ADEQU VENTI.KEEP FRM CONTACT W/OXIDIZ MATLS.KEEP CNTNR TIGHTLY CLSD.STORE AWAY FRM HEAT/LIGHT.

Other Precautions:MIN EXPO TO AIR.IF PEROXIDE FORMATION SUSPECTED DONT OPN

/MOVE CNTNR.MODERATELY ACIDIC AQU SOLN.PROPERT:LOW BIOCHEM OXY DEMAND,LITTLE POT TO CAUSE OXY DEPLETION IN AQU SYS,MOD POT TO AFFECT SOME AQU OR GN,MOD POT TO AFFECT 2ND WASTE(SUPPLE)

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

Respiratory Protection:ENGINEERING CONTROLS DONT MAINTAIN AIRBORNE CONCEN BELOW RECOMMENDED EXPO LIMITS APPROVED RESP MSUT BE WORN.RESP TYPE:ORGANIC VAP.IF RESP USED PROGRAM SHOLD BE INSTITUTED TO ASSURE COMPLIANCE W/OSHA S TD 29CFR1910.134.

Ventilation:USE GOOD GEN VENTI(TYP 10 AIR CHANGES/HR).MATCH VENTI RATES W/CONDITIONS.USE PROCESS ENCLSR,LOC EXHA VENTI,OTHER (SUPPL)

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAF GLASSES W/SIDESHIELDS,GOGG,FCSHIELD.

Other Protective Equipment:EYEBATH, WASHING FACILITIES, SAFETY SHOWER.PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE.

Work Hygienic Practices:WASH CONTAM CLOTH BEF REUSE;DESTROY/CLEAN WELL CONTAM SHOES.WASH THOROUGHLY AFT HNDLG.KEY1-HCC:C3.

Supplemental Safety and Health

OTHER PREC:TREAT MICRO METABOLISM,MOD POT TO AFFECT GERM/EARLY GROWTH OF PLANTS,HI POT TO BIODEGRADE-LOW PERSIST-W/UNACCLIMATE MICROORG FRM ACT SLUDGE,LOW POT TO PERSIST IN ENVIRO & BIOCONC.AFT DIL W/ LOTS OF H2O/2ND WASTE TREAT NOT EXPECT TO CAUSE ADVERSE ENVIRO EFFECTS. VENTI:ENG CNTRL-MAINTAIN AIRBORNE LEV BEL LIMITS

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

HCC:C2

Boiling Pt:>100.C, 212.F

B.P. Text:>212F,>100C

Melt/

Freeze Pt:M.P/F.P Text:NP  
Decomp Temp:Decomp Text:NP  
Vapor Pres:18  
Vapor Density:1.8  
Spec Gravity:1.127  
pH:2.7  
Viscosity:NP  
Evaporation Rate & Reference:NP  
Solubility in Water:COMPLETE  
Appearance and Odor:LIQUID, YELLOW-GREEN COLOR, ALDEHYDE ODOR  
Percent Volatiles by Volume:95-99  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:NORMALLY STABLE;HOWEVER ON LONG TERM  
STORAGE MATLS CONTAINING SIMILAR FUNCTIONAL GROUPS FORM PEROXIDES OF UNK STABILITY.  
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE.

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

Waste Disposal Methods:DISCHARGE/TREATMENT/DISPO MAY BE SUBJ TO NAT/STATE/LOC LAWS.FLUSH TO SEWER W/LG AMTS OF WATER.SINCE EMPTIED CNTNR RETAIN PRODUCT RESIDUE FOLLOW LABEL WARNINGS EVEN AFT CNTNR EMPTIED.CHEM SUBJ TO REPORTING REQMTS OF SEC313 TITLE I  
II  
SARA/40CFR372:NONE

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.