

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 PRE-EXISTING ASTHMATIC
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 UNKNOWN STABILITY.
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE.

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

Waste Disposal Methods:DISCHARGE/TREATMENT/DISPOSAL MAY BE SUBJECT TO
NATIONAL/STATE/LOCAL LAWS.FLUSH TO SEWER WITH SMALL AMOUNTS OF WATER.SINCE EMPTIED
CONTAINER RETAIN PRODUCT RESIDUE FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER
EMPTIED.CHEMICAL SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 TITLE I
II
SARA/40CFR372:NONE

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