

EASTMAN KODAK COMPANY -- 138 2845 RP X-OMAT DEVELOPER AND REPLENISHER, PART B --
6525-01-098-5797

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

Product ID:138 2845 RP X-OMAT DEVELOPER AND REPLENISHER, PART B

MSDS Date:07/15/1998

FSC:6525

NIIN:01-098-5797

Status Code:A

Kit Part:Y

MSDS Number: CJCMJ

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZI

P:14650

Country:US

Info 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:ACETIC ACID (CERCLA)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: 70-75%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:DIETHYLENE GLYCOL
CAS:111-46-6
RTECS #:ID5950000
Fraction by Wt: 15-20%
Other REC Limits:NONE RECOMMENDED

Ingred Name:1-PHENYL-3-PYRAZOLIDONE
CAS:92-43-3
RTECS #:UQ8750000
Fraction by Wt: 5-10%
Other REC Limits:N
ONE RECOMMENDED

Ingred Name:5-NITRO-1H-INDAZOLE
CAS:5401-94-5
RTECS #:NK7962000
Fraction by Wt: < 1%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 476 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTAINS DIETHYLENE GLYCOL WHICH CAN
CAUSE KIDNEY DAMAGE AND CNS EFFECTS. INHALATION OF VAPOR EXTREME
LY
IRRITATING TO RESPIRATORY TRACT & EYES. EYE CONTACT CAUSES SEVERE
BURNS. SKIN CONTACT CAUSES BUR NS. MAY CAUSE ALLERGIC SKIN
REACTION. POISON. MAY BE FATAL OR HARMFUL IF SWALLOWED. MAY CAUSE
BURNS OR GI TRACT.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:KIDNEY DAMAGE, CNS EFFECTS, RESPIRATORY TRACT
IRRITATION, EYE BURNS/IRRITATION, SKIN

BURNS, ALLERGIC SKIN
REACTION, DEATH, GI TRACT BURNS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL
ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMMEDIATELY WITH
WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH
SOAP AND WATER . GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.
INGESTION: DO NOT INDUCE VOMITIN
G. GIVE GLASS OF WATER TO DRINK.
NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. CALL PHYSICIAN OR
POISON CONTROL ASAP.

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

Flash Point Method:SCC
Flash Point:115F,46C
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL
FOAM.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZAR-
DOUS
DECOMPOSITION PRODUCTS.
Unusual Fire/Explosion Hazard:USE WATER SPRAY TO KEEP FIRE-EXPOSED
CONTAINERS COOL. MATERIAL CONTAINS A COMBUSTIBLE SOLVENT THAT MAY
ACCUMULATE IN CONTAINER HEADSPACE. MAY FORM PEROXIDES.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. FLUSH TO SEWER IF
ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH
VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A
CONTAINER FOR
CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUAL CONTAMINATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT GET IN EYES, ON SKIN, ON
CLOTHING. DO NOT BREATHE VAPOR AT CONCENTRATIONS GREATER THAN
EXPOSURE LIMITS. KEEP FROM CONTACT W/OXIDIZING MATERIALS
Other Precautions:KEEP AWAY FROM HEAT AND FLAME. MINIMIZE EXPOSURE TO
AIR. IF PEROXIDE FORMATION IS

SUSPECTED, DO NOT OPEN OR MOVE
CONTAINER. KEEP CONTAINER TIGHTLY CLOSED. STORE AWAY FROM HEAT AND
LIGHT.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE
CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED
RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR, FULL-FACE
ORGANIC VAPOR CARTRIDGE.

Ventilation:GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER
HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO
PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE
AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

KEY1:F6. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE
REUSE.

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

HCC:F6

Boiling Pt:B.P. Text:264F,129C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:1.08

pH:< 1.0

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:APPRECIABLE

Appearance and Odor:ORANGE LIQUID, VINEGAR ODOR

Percent Volatiles by Volume:70-75%

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

Stability I

Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS, BASES
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE,
OXIDES OF NITROGEN

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

Waste Disposal Methods: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT
TO NATIONAL, STATE OR LOCAL LAWS. MAY REQUIRE NEUTRALIZATION IF PH
< 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS.

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 in-
formation to their
particular situation.