

EASTMAN KODAK COMPANY -- 102 3209 DURAFLO RT DEVELOPER (WORKING SOLUTION) --
6750-01-319-6473

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

Product ID:102 3209 DURAFLO RT DEVELOPER (WORKING SOLUTION)

MSDS Date:10/30/1996

FSC:6750

NIIN:01-319-6473

MSDS Number: CDXMN

=== 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

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: 80 - 85%
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM SULFITE
CAS:10117-38-1
RTECS #:WT3530000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM SULFITE
CAS:7757-83-7
RTECS #:WE2150000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BICARBONATE
CAS:144-55-8
RTECS #:VZ0950000
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED

I
ngred Name:GLUTARALDEHYDE-BIS-SODIUM BISULFITE,
CAS:7420-89-5
Fraction by Wt: 1 - 5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROQUINONE (SARA 302/313) (CERCLA)
CAS:123-31-9
RTECS #:MX3500000
Fraction by Wt: 0.5-1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT KNOWN.
Routes of Entry: Inhalation:NO Skin:YES Ingesti

on: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: TARGET ORGANS: EYES, SKIN. ACUTE-
EYES: CAUSES IRRITATION. SKIN: MAY CAUSE IRRITATION AND ALLERGIC SKIN
REACTION. INHALATION: LOW HAZARD FOR RECOMMENDED HANDLING.
ORAL: EXPECTED TO BE A LOW INGESTION HAZARD. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Over
exposure: IRRITATION, ALLERGIC SKIN REACTION
Medical Condition Aggravated by Exposure: SOME ASTHMATICS OR
SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST
TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS, DIARRHEA.

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

First Aid: GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: REMOVE
CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. EYE: FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN.
INHALED:
REMOVE TO FRESH AIR. ORAL: IF CONSCIOUS, DRINK 1-2 GLASSES OF
WATER. SEEK MEDICAL ATTENTION.

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

Flash Point: NONE
Lower Limits: NOT GIVEN
Upper Limits: NOT GIVEN
Extinguishing Media: NONFLAMMABLE. USE EXTINGUISHING MEDIA SUITABLE FOR
SURROUNDING FIRE.
Fire Fighting Procedures: WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: FIRE OR EXCESSIVE HEAT
MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures: FLUSH SPILL TO SEWER WITH LARGE AMOUNT OF
WATER IF REGULATIONS ALLOW OR ABSORB SPILL WITH VERMICULITE. PLACE
IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO
REMOVE RESIDUAL CONTAMINATION.
Neutralizing Agent: NOT RELEVANT

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

Handling and Storage Precautions: KEEP

CONTAINER CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. THE ROUTINE USE OF A NONALKALINE (ACID) TYPE OF HAND CLEANER AND REGULAR CLEANING OF WORKING SURFACES WILL MINIMIZE SKIN REACTION.

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

Respiratory Protection:NONE SHOULD BE NEEDED.
Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGE S/HR)
SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS
Protective Gloves:RUBBER/LATEX
Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES
Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Supplemental Safety and Health
THIS ENTRY FOR WORKING SOLUTION.

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

HCC:B3
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:B.P. Text:>212F,>100C
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Decomp Temp:Decomp Text:NOT GIVEN
Vapor Pres:18 @ 68F
Vapor Density:0.6
Spec Gravity:1.12
pH:9.6
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQUID - ODORLESS
Percent Volatiles by Volume:80- 85

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

Stability Indicator/Materials t

o Avoid: YES

ACIDS

Stability Condition to Avoid: NONE

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE,
SULFUR DIOXIDE

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

Waste Disposal Methods: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT
TO FEDERAL, STATE OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNT
OF WATER.

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.