

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

Ingred 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 Conditions Aggravated by Exposure: SOME ASTHMATICS OR

SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS, DIARRHEA.

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===== 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.

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===== 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.

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===== 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

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===== 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.

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