

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 HAZAR D. 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 Ove

rexposure:IRRITATION, ALLERGIC SKIN REACTION

Medical Cond 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 FR ESH 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 CONTAMINATIO N.

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.

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