

EASTMAN KODAK COMPANY -- 140 8988 HC-110 DEVELOPER,CONCENTRATE -- 6750-00-837-7257  
===== Product Identification =====

Product ID:140 8988 HC-110 DEVELOPER,CONCENTRATE

MSDS Date:12/17/1997

FSC:6750

NIIN:00-837-7257

MSDS Number: BWPZG

=== 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 :8

00- 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 =====

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Ingred Name:DIETHANOLAMINE-SULFUR DIOXIDE COMPLEX  
CAS:63149-47-3  
Fraction by Wt: 50 - 55%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 10 - 20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

Ingred Name:HYDROQUINONE (SARA 302/313) (CERCLA)  
CAS:123-31-9  
RTECS #:MX3500000  
Fraction by Wt: 9%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:DIETHYLENE GLYCOL  
CAS:111-46-6  
RTECS #:ID5950000  
Fraction by Wt: 8%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHANOLAMINE/2-AMINOETHANOL  
CAS:141-43-5  
RTECS #:KJ5775000  
Fraction by Wt: 5 - 10%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:3 PPM  
ACGIH TLV:3 PPM/6 STEL; 9495

Ingred Name:DIETHANOLAMINE (SARA 313) (CERCLA)  
CAS:111-42-2  
RTECS #:KL2975000  
Fraction by Wt: 3%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:3 PPM  
ACGIH TLV:0.46 PPM; 9495  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingre

d Name:DIETHYLENETRIAMINEPENTAACITIC ACID/PENTETIC ACID

CAS:67-43-6

RTECS #:MB8205000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYLENE GLYCOL (SARA 313) (CERCLA)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 1%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:C 50 PPM,VAPOR; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS >3200 MG/KG

Routes of Entry: Inhalation:YES Skin:Y

ES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: HARMFUL IF INHALED. MAY CAUSE IRRITATION TO THE MUCOUS MEMBRANES & UPPER RESPIRATORY TRACT. EYES: CUASES IRRITATION. SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTIONS. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:CONTAINS DIETHYLENE GLYCOL: CAN CAUSE KIDNEY DAMAGE. CAN CAUSE CNS EFFECTS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES-IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MIN. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN-IMMEDIATE L

Y FLUSH WITH PLENTY OF WATER & WASH WITH A NON-ALKALINE SKIN CLEANER. GET MEDICAL ATTENTION. INGESTED-ONLY INDUCE VOMITING AT THE INSTRUCTION OF MEDICAL PERSONNEL. CALL A PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIXOIDE, DRY CHEMICAL, ALCOHOL FOAM. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOT

HING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS  
DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:ELEVATED TEMPERATURES CAN CAUSE  
DECOMPOSITION.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.  
OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL,  
THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE  
THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agen

t:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. STORE IN A COOL  
PLACE.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF MISTS OR  
VAPOR. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE  
CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPR  
OVED

RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES/HR)  
SHOULD BE USED. VENTILATION RATES SHOULD MATCH CONDITIONS.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING APPROPRIATE FOR THE  
RISK OF EXPOSURE. EYE BATH, SAFETY SHOWER, WASHING FACILITIES.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental S

afety and Health

WARNING! HEAT SENSITIVE-CAN CAUSE DECOMPOSITION.

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

HCC:B3

Boiling Pt:B.P. Text:>212F,>100C

Decomp Temp:Decomp Text:293F,145C

Vapor Pres:11 @ 68F

Vapor Density:2.1

Spec Gravity:1.24

pH:9.0

Solubility in Water:COMPLETE

Appearance and Odor:BROWN LIQUID - AMINE ODOR

Percent Volatiles by Volume:65- 70

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

Stability Indicator/Materials to Avoid:YES

STR

ONG OXIDIZING AGNETS.

Stability Condition to Avoid:STABLE; HOWEVER, MATERIAL CAN DECOMPOSE ABOVE 145C. AVOID TEMPERATURES ABOVE 45C.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, OXIDES OF SYLFUR.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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