

EASTMAN KODAK COMPANY -- 817 8998,FLEXICOLOR AR DEVELOPER REPLENISHER,PART B --  
6750-01-285-1767

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

Product ID:817 8998,FLEXICOLOR AR DEVELOPER REPLENISHER,PART B

MSDS Date:07/24/2000

FSC:6750

NIIN:01-285-1767

Status Code:A

Kit Part:Y

MSDS Number: CKTFZ

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:

14650

Country:US

Info Phone Num:716-722-5151/(800) 242-2424

Emergency Phone Num:716 722-5151

Preparer's Name:NOT PROVIDED

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

===== Composition/Information on Ingredients =====

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:70.

Maxumum % Wt:75.

Other REC Limits:NOT PROVIDED

Code:F

Code:F

Ingred Name:HYDROXYLAMINE SULFATE

CAS:10039-54-0

RTECS #:NC5425000

Minumum % Wt:25.

Maxumum % Wt:30.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED

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

Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: GENERAL: CONTAINS  
HYDROXYLAMINE SULFATE. MAY CAUSE BLOOD DISORDER

S BASED ON ANIMAL

DATA. INHALATION: EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED  
HANDLING. EYES: CAUSES IRRITATION. SKIN: HARMFUL IF ABSORBED  
THROUGH SKIN. CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION  
BASED ON HUMAN EXPERIENCE. INGESTION: HARMFUL IF SWALLOWED.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): INTERNATIONAL AGENCY FOR  
RESEARCH ON CANCER (IARC): NONE. AMERICAN CONFERENCE OF  
GOVERNMENTAL INDUSTRIAL

HYGIENISTS (ACGIH): NONE. NATIONAL

TOXICOLOGY PROGRAM (NTP): NONE. OCCUPATIONAL SAFETY AND HEALTH  
ADMINISTRATION (OSHA): NONE.

Effects of Overexposure:EYES: CAUSES IRRITATION. SKIN: HARMFUL IF  
ABSORBED THROUGH SKIN. CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN  
REACTION BASED ON HUMAN EXPERIENCE.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT

S

SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point:NONE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion

Hazard:SOLUTION CONTAINS A STRONG REDUCING AGENT. DRIED PRODUCT RESIDUE CAN ACT AS A REDUCING AGENT. ELEVATED TEMPERATURE CAN CAUSE DECOMPOSITION.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. MAY REQUIRE NEUTRALIZATION IF PH < 2.0 OR > 12.5 . FOR LARGE SPILLS: PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS. ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE

IN A CONTAINER FOR CHEMICAL WASTE.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:CONTENTS MAY DEVELOP PRESSURE UPON PROLONGED EXPOSURE TO HEAT. KEEP CONTAINER TIGHTLY CLOSED TO PREVENT THE LOSS OF WATER. STORE IN A COOL PLACE. STORE IN ORIGINAL CONTAINER. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF MIST OR VAPOR. DO NOT GET IN EYE

S, ON SKIN, CLOTHING, USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP FROM CONTACT W/STRONG OXIDIZING MATLS, HIGHLY OXYGENATED, HALOGENATED SOLVENTS, ORGANIC COMPOUNDS CONTAINING REDUCIBLE FUNCTIONAL GROUPS, OR AQUEOUS AMMONIA.

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

Respiratory Protection: IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN.

N. RESPIRATOR TYPE: ORGANIC VAPOR. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation: GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves: WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

Eye Protection: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

Other Protective Equipment

: EYE BATH, SAFETY SHOWER, WASHING FACILITIES.

Work Hygienic Practices: NOT PROVIDED

Supplemental Safety and Health

SUPPLEMENTARY LOCAL EXHAUST VENTILATION, CLOSED SYSTEMS, OR RESPIRATORY PROTECTION MAY BE NEEDED IN SPECIAL CIRCUMSTANCES SUCH AS POORLY VENTILATED SPACES, EVAPORATION FROM LARGE SURFACES, SPRAYING, HEATING, ETC.

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

HCC: C2

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: B.P. Text: DECOMPOSES

Melt/Freeze Pt: M.P./

F.P Text: DECOMPOSES

Decomp Temp: >110.C, 230.F

Vapor Pres: 18 @ 68F

Vapor Density: 0.6

Spec Gravity: 1.16

pH: 3.0

Viscosity: NOT PROVIDED

Evaporation Rate & Reference: NOT PROVIDED

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS, ODORLESS, LIQUID.

Percent Volatiles by Volume: 70-75 WT

Corrosion Rate: NOT PROVIDED

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, COMBUSTIBLE MATERIAL, HALOGENATED MATERIALS

ALS.

Stability Condition to Avoid:STABLE; HOWEVER, MATERIAL CAN DECOMPOSE ABOVE 110C (230F). AVOID HEATING ABOVE ROOM TEMPERATURE.

Hazardous Decomposition Products:AMMONIA, NITROGEN OXIDES (NOX), SULFUR DIOXIDE

===== Toxicological Information =====

Toxicological Information:DATA FOR HYDROXYLAMINE SULFATE: ORAL LD50 (RAT): 100-200 MG/KG. DERMAL LD50: 1 G/KG. SKIN IRRITATION: MODERATE. SKIN SENSITIZATION: STRONG. EYE IRRITATION: SLIGHT. DERMAL STU DY: 0.01 - 0.05 G/KG 24 HO URS (TARGET ORGAN EFFECTS: RED BLOOD CELL).

===== Ecological Information =====

Ecological:THIS MATERIAL IS A MODERATELY ACIDIC AQUEOUS SOLUTION AND EXPECTED TO HAVE THE FOLLOWING PROPERTIES: A LOW BIOCHEMICAL OXYGEN DEMAND, A LITTLE POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A HIGH POTENTIAL TO AFFECT SECONDARY WASTE TREATMENT MICROBIAL METABOLISM, A HIGH POTENTIAL TO AFFECT GERMINATION AND/OR EAR LY GROWTH OF SOME PLANTS, A LOW POTENTIAL TO PERSIST IN THE ENVIRONMENT, A LO W POTENTIAL TO BIOCONCENTRATE. AFTER DILUTION WITH A LARGE AMOUNT OF WATER, FOLLOWED BY SECONDARY WASTE TREATMENT, THIS MATERIAL IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS.

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

Waste Disposal Methods:CONTRACT WITH A LICENSED CHEMICAL DISPOSAL AGENCY. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNING S EVEN AFTER CONTAINER IS EMPTIED.

===== MSDS Transport Information =====

Transport Information:FOR TRANSPORTATION INFORMATION REGARDING THIS PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE: (716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD TIME), MONDAY THROUGH FRIDAY.

===== Regulatory Information =====

SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTI

ON 313 OF TITLE III OF THE SUPERFUND  
AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART  
372: NONE.

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF  
CALIFORNIA TO CAUSE CANCER: NONE. MATERIAL(S) KNOWN TO THE STATE OF  
CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE.

===== Other Information =====

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):

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