

EASTMAN KODAK COMPANY -- 804 9157 FLEXICOLOR DEVELOPER REPLENISHER LORR, PART B
-- 6750-01-416-0706

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

Product ID:804 9157 FLEXICOLOR DEVELOPER REPLENISHER LORR, PART B

MSDS Date:05/02/2000

FSC:6750

NIIN:01-416-0706

Kit Part:Y

MSDS Number: BZBGG

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Co

untry:US

Info Phone Num:716-477-3194 MSDS :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

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:800-828-620

CAGE:5K871

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Composition/Information on Ingredients
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Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:75.

Maxumum % Wt:80.

Other REC Limits:NOT PROVIDED

Code:F

Code:F

Ingred Name:HYDROXYLAMINE SULFATE

CAS:10039-54-0

RTECS #:NC5425000

Minumum % Wt:20.

Maxumum % Wt:25.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED

Reports o

f Carcinogenicity:NTP:NO IARC:NO OSHA:NO

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

LASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NONE - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NON E - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

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

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

Flash Point:NONFLAMMABLE
Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.
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. FOR LARGE SPILLS: ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.
Neutralizing Agent:NOT PROVIDED

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

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

RE IN

ORIGINAL CONTAINER.

Other Precautions:AVOID PROLONGED OR REPEATED BREATHING OF MIST OR VAPOR. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM HEAT. EXERCISE CAUTION I N HEATING, ESPECIALLY IN A CLOSED CONTAINER. REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE:ORGANIC VAPOR; IF RESPIRATORS ARE USED, A PROGR AM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134. WEAR A RESPIRATOR IF HAZARDOUS DECOMPOSITION PRODUCTS ARE RELEASED.

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

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

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

Other Protective Equipment:EYE BATH, 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.

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

HCC:C2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>100.C, 212.F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:68F: 24 MBAR (18 MM HG)

Vapor Density:0.6

Spec Gravity:1.15

pH:3.2

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID, NO ODOR

Percent Volatiles by Volume:75-80 WT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS, COMBUSTIBLE MATERIAL, HALOGENATED MATERIALS

Stability Condition to Avoid: CONSULT YOUR TECHNICAL SAFETY EXPERTS.

MATERIALS CONTAINING SIMILAR STRUCTURAL GROUPS CAN DECOMPOSE IF HEATED ABOVE 110C (230F).

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

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

Toxicologica

Information: ACUTE TOXICITY DATA: DATA FOR HYDROXYLAMINE

SULFATE: ORAL LD-50 (RAT): 100-200 MG/KG. DERMAL LD-50: >1.0 G/KG.

SKIN IRRITATION: MODERATE. SKIN SENSITIZATION: STRONG. EYE

IRRITATION: SLIGHT. DERMAL STUDY (RAT): 0.01-05 G/KG 24 HOURS

(TARGET ORGAN EFFECTS: RED BLOOD CELL). DERMAL STUDY: 0.01 G/KG 24 HOURS (TARGET ORGAN EFFECTS: RED BLOOD CELL).

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

Ecological: THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS

OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: 10-100.

DAPHNID EC50 MG/L: 1-10. ALGAL IC50 MG/L: >100. ORGANICS

READILY DEGRADABLE (>70%): NOT APPLICABLE. POTENTIAL

BIOACCUMULATION: LOG POW 100.

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

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

RETAIN PRODUCT RESIDUE, FOLLOW

LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED. CONTRACT WITH A LICENSED CHEMICAL DISPOSAL AGENCY.

===== 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 =

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SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OR 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

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==== Other Information =====

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