

EASTMAN KODAK COMPANY -- 191 9042 FLEXICOLOR DEVELOPER REPLENISHER PART C --  
6750-01-010-7343

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

Product ID:191 9042 FLEXICOLOR DEVELOPER REPLENISHER PART C

MSDS Date:01/09/1998

FSC:6750

NIIN:01-010-7343

MSDS Number: BYFLS

=== 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: 55-60%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

Ingred Name:4-(N-ETHYL-N-2-HYDROXYETHYL)-2-METHYLPHENYLENEDIAMINE  
SULFATE  
CAS:25646-77-9  
RTECS #:KJ6477000  
Fraction by Wt: 35-40%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM BISULFITE (SASA III) (CERCLA)  
CAS:7631-90-5  
RTECS #:VZ2000000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:  
5 MG/M3  
ACGIH TLV:5 MG/M3; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:GENERAL: MAY CAUSE KIDNEY DAMAGE BASED  
ON ANIMAL DATA. INHALATION-LIBERATES SULFUR DIOXIDE GAS WHICH CAN  
CAUSE IRRITATION TO RESPIRATORY TRACT. EYES-CAUSES IRRITATION.  
VAPOR IRRITATING. SKIN-CAUSES IR  
RITATION. MAY CAUSE ALLERGIC SKIN  
REACTION. INGESTION-HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF  
THE GASTROINTESTINES  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:INGESTION-MAY CAUSE KIDNEY DAMAGE BASED ON  
ANIMAL DATA.  
Medical Cond Aggravated by Exposure:SOME ASTHMATICS OR HYPERSENSITIVE  
INDIVIDUALS MAY EXPERIENCE DIFFICULTY BREATHING.

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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. SKIN: WASH WITH SOAP AND WATER . GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONFLAMMABLE

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

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. 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 IF ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL PLACE. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES. KEEP CONTAINER CLOSED.

Other Precautions:AVOID BREATHING MIST OR VAPOR. AVOID CONTACT WITH EYES AND PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

===== 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: ACID GAS.

Ventilation:GOOD GENERAL VENTILATION, TYPE I

CALLY 10 AIR CHANGES PER

HOOR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:WEAR SAFETY GLASSES W/SIDE SHIELDS.

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

KEY1=C1. MSDS REPRESENTS PART C OF A KIT, SEE PNI H FOR PART A, PNI I  
FOR PART B AND PNI Y FOR WORKING SOLUTION.

===== Physical/Chemical Properties

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HCC:C1

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

Decomp Temp:Decomp Text:338F,170C

Vapor Pres:18MM @ 20C

Vapor Density:0.6

Spec Gravity:1.15

pH:2.1

Evaporation Rate & Reference:N/K (N-BUTYL ACETATE=1)

Solubility in Water:COMPLETE

Appearance and Odor:RED-BROWN LIQUID; STRONG SULFUR DIOXIDE ODOR.

Percent Volatiles by Volume:60-65

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, STRONG OXIDIZING AGENTS.

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Stability Condition to Avoid:STABLE; HOWEVER, MATERIAL CAN DECOMPOSE  
ABOVE 170C. AVOID TEMPERATURES ABOVE 70C.

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

===== 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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