

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:04/27/1994

FSC:6750

NIIN:01-010-7343

MSDS Number: BVFLV

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone N

um:716-722-5151

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: 50-55% %  
Other REC Limits:NONE RECOMMENDED

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 (SARA 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; 9495  
EPA Rpt Qty:5000 LBS  
DOT  
Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT GIVEN  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY CAUSE BLOOD DISORDERS. CAUSES EYE  
IRRITATION. LIBERATES SULFUR DIOXIDE GAS WHICH CAN CAUSE IRRITATION  
TO THE RESPIRATORY TRACT.PROLONGED OR REPEATED SKIN CONTACT MAY  
CAUSE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY CA  
USE  
IRRITATION OF THE GASTROINTESTINAL TRACT. MAY CAUSE KIDNEY DAMAGE.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:EYE IRRITATION, RESPIRATORY TRACT IRRITATION,  
SKIN IRRITATION, GASTROINTESTINAL TRACT IRRITATION, ALLERGIC SKIN  
REACTION, BLOOD DISORDERS, KIDNEY DAMAGE.  
Medical Cond Aggravated by Exposure:SOME ASTHMATICS OR HYPERSENSITIVE  
INDIVI

DUALS MAY EXPERIENCE DIFFICULT BREATHING.

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

First Aid:INHALATION-MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES-FLUSH WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN-WASH WITH NON-ALKALINE SOAP & PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION-INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. CALL DOCTOR IMMEDIATELY.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL FIRE EXPOSED CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:ABSORB WITH INERT MATERIAL, THEN PLACE IN A CHEMICAL WASTE CONTAINER. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, AND STREAMS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP FROM CONTACT WITH OXIDIZING MATERIALS. KEEP AWAY FROM HEAT. STORE IN A COOL PLACE. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES. KEEP CONTAINER CLOSED.

Other Precautions:THE ROUTINE USE OF A NONALKALINE TYPE OF HAND CLEANER WILL HELP MINIMIZE THE POSSIBILITY OF A SKIN REACTION. AVOID CONTACT WITH SKIN, EYES AND CLOTHING.

===== 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)

ICALLY 10 AIR CHANGES PER

HOURLY SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:WASHING FACILITIES, AN EMERGENCY EYE WASH STATION AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

KEY1=C1.PRODUCT IS EXPECTED TO HAVE A LOW BIOCHEMICAL OXYGEN DEMAND AND LITTLE POTENTIAL

TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A

HIGH POTENTIAL TO AFFECT SOME AQUATIC ORGANISMS, A HIGH POTENTIAL

TO AFFECT SECONDARY WASTE TREATMENT MICROBIAL METABOLISM. DILUTED & TREATED, IT IS NOT EXPECTED TO HAVE AFFECT.

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

HCC:C1

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

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

Decomp Temp:Decomp Text:338F,170C

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.15

pH:2.1

Evaporation Rate

& Reference:NOT GIVEN

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

BASES, STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:DECOMPOSES AT TEMPERATURES ABOVE 170C (343F) . AVOID TEMPERATURES ABOVE 70C (158F).

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

=====

==== Disposal Considerations =====

Waste Disposal Methods: CONTRACT WITH A LICENSED CHEMICAL WASTE DISPOSAL COMPANY. DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.