

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.

=====

=====
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, TYPICAL

CALLY 10 AIR CHANGES PER

HOURLY, 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
=====

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.

S

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.

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.