

EASTMAN KODAK COMPANY -- 191 9042, PT C, KODAK FLEXICOLOR DEVELOPER (SEE SUPPL) --  
6750-01-010-7343

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

Product ID:191 9042, PT C, KODAK FLEXICOLOR DEVELOPER (SEE SUPPL)

MSDS Date:01/08/2001

FSC:6750

NIIN:01-010-7343

Status Code:A

Kit Part:Y

MSDS Number: CLLFB

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:N

Y

ZIP:14650

Country: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

Contract Num:SP0500-96-D-9413-N525

CAGE:19139

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

Ingred Name:WATER

CAS:7732-18-5

RTECS

#:ZC0110000  
Minumum % Wt:55.  
Maxumum % Wt:60.  
Other REC Limits:NOT PROVIDED  
Code:F  
Code:F

Ingred Name:4-(N-ETHYL-N-2-HYDROXYETHYL)-2-METHYLPHENYLENEDIAMINE  
SULFATE  
CAS:25646-77-9  
RTECS #:KJ6477000  
Minumum % Wt:35.  
Maxumum % Wt:40.  
Other REC Limits:0.1 MG/M3 (MFR)  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM BISULFITE  
CAS:7631-90-5  
RTECS #:VZ2000000  
Minumum % Wt:1.  
Maxumum % Wt:5.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:5 MG/M3  
EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT PROVIDED  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:GENERAL: CONTAINS  
4-(N-ETHYL-N-2HYDROXYETHYL)-2-METHYLPHENYLENEDIAMINE SULFATE. MAY  
CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA. INHALATION: LIBERATES  
SULFUR DIOXIDE GAS WHICH CAN CAUSE IRRITATION TO THE RESPIRATORY  
TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXP  
ERIENCE  
DIFFICULT BREATHING. EYES: CAUSES IRRITATION. VAPOR IRRITATING.  
SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTI ON.  
INGESTION: MAY BE FATAL IF SWALLOWED. MAY CAUSE IRRITATION OF THE  
GASTROINTESTINAL TRACT. MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL  
DATA.  
Explanation of Carcinogenicity:INTERNATIONAL AGENCY FOR RESEARCH ON  
CANCER (IARC): NONE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL  
HYGIENISTS (ACGIH): SODIUM BISULFITE, A4; NOT CLASSIFIABLE AS A  
H

UMAN CARCINOGEN, SULFUR DIOXIDE , A4; NOT CLASSIFIABLE AS A HUMAN CARCINOGEN. - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: LIBERATES SULFUR DIOXIDE GAS WHICH CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT. EYES: CAUSES IRRITATION. VAPOR IRRITATING. SKIN: CAUSES IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.

Medical Cond Aggravated by Exposure:SOME ASTHMATI

CS, HYPERSENSITIVE OR

SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING, WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

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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. IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 1 5 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND 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.

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

Flash Point:NONE

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.

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

Spill Release Procedures:FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNT 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:NOT PROVIDED

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Handling and Storage  
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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.

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Exposure Controls/Personal Protection  
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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 (TYPICALLY 10 AIR CHANGES

Protective Gloves:WEAR IMPERVIOUS GLOVES.

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

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITI  
ES.

WEAR PROTECTIVE CLOTHING APPROPRIATE

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

CONTD FROM PRODUCT ID: REPLENISHER. THIS IS A KIT. THE OTHER MSDS  
SERIAL NUMBERS ARE: CLLDN,CLLDW. ABBREVIATION: N/A = NOT  
APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT  
PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT  
ESTABLISHED.

=====  
Physical/Chemical Properties  
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HCC:C2

NRC/State Lic Num:NOT RELEVANT

Bo

iling Pt:>100.C, 212.F

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

Decomp Temp:>172.2C, 342.F

Vapor Pres:18MM @ 20C

Vapor Density:0.6

Spec Gravity:1.15

pH:2.1

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

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

Percent Volatiles by Volume:55-60 WT

Corrosion Rate:NOT PROVIDED

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Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

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STRONG BASES, STRONG OXIDIZING AGENTS.

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.

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

Toxicological Information: CONTAINS

4-(N-ETHYL-N-2-HYDROXYETHYL)-2-METHYLPHENYLENEDIAMINE SULFATE.  
MAY CAUSE KIDNEY DAMAGE BASED ON ANIMAL DATA. ORAL LD-50 (MALE RAT): 25-50 MG/KG (TARGET ORGAN EFFECTS: KIDNEY) ORAL LD-50 (FEMALE RAT): 30 MG/KG (TARGET ORGAN EFFECTS: KIDNEY) ORAL LD-50 (MOUSE): 141 MG/KG (TARGET ORGAN EFFECTS: KIDNEY) DERMAL LD-50: > 2000 MG/KG SKIN IRRITATION: MODERATE

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

Ecological: THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: 70%: YES (7 DAYS). 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.

===== 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 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 - M

ATERIAL(S) KNOWN TO THE STATE  
OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE

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

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particular situation.