

EASTMAN KODAK COMPANY -- 192 7698 KODAK FLEXICOLOR DEVELOPER, PART C --  
6750-01-050-7789

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

Product ID:192 7698 KODAK FLEXICOLOR DEVELOPER, PART C

MSDS Date:10/17/1997

FSC:6750

NIIN:01-050-7789

MSDS Number: BGJBD

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-477-3

194

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

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

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 70-75%  
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: 25-30%  
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; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION-LIBERATES SULFUR DIOXIDE  
GAS WHICH CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT.  
EYES-CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.  
SKIN-CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN R EACTION.  
INGESTION-HARMFUL IF SWALLOWED.MAY CAUSE KIDNEY DAMAGE BASED  
ON  
ANIMAL DATA. MAY CAUSE IRRITATION OF GI TRACT.  
Explanation of Carcinogenicity:NOT CARCINOGENIC.  
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.  
Medical Cond Aggravated by Exposure:SOME ASTHMATICS OR HYPERSENSITIVE  
INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING.

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

First Aid:INHALED-IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL  
ATTENTION IF SYMPTOMS PERSISTS. EYES-IMMEDIATELY FLUSH WITH PLENTY  
OF WATER

FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN-IMMEDIATELY FLUSH WITH PLENTY OF WATER & WASH WITH A NON-ALKALINE SKIN CLEANER. GET MEDICAL ATTENTION. INGESTED-INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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

Flash Point:NONE

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

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:ELEVATED TEMPERATURE MAY CAUSE DECOMPOSITION.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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

Other Precautions:USE ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN OR CLOTHES. WASH THOROUGHLY AFTER HANDLING.

===== 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. A PROGRAM SHOULD BE INSTITUTED TO COMPLY WITH OSHA 29 CFR 1910.134.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES/HR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCH TO CONDITIONS.

Protective Gloves:IMPERVIOUS GLOVES SHOULD BE WORN.

Eye Protection:SAFETY GLASSES

WITH SIDE SHIELDS.

Other Protective Equipment:WEAR IMPERVIOUS & PROTECTIVE CLOTHING APPROPRIATE FOR THE RISK OF EXPOSURE. EYE BATH, WASHING AFCILITIES, SAFETY SHOWER.

Work Hygienic Practices:ROUTINE USE OF NON-ALKALINE (ACID) SKIN CLEANER AND CLEANING OF WORK AREA/CLOTHES REDUCES RISK OF SKIN REACTION.

Supplemental Safety and Health

KEY1:C2. THIS PRODUCT IS A KIT CONSISTING OF THREE PARTS. PART A, HAS PNI H; PART B HAS PNI I, PART C HAS PNI E SAME NSN. FORMULA CHANGED. FOR PR

EVIIOUS FORMULATION SEE PNI A, B, C, D, F, SAME NSN. SEE PNI W FOR WORKING SOLUTION.

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

HCC:C2

Boiling Pt:>100.C, 212.F

Vapor Pres:18MM @ 20C

Vapor Density:0.6

Spec Gravity:1.10

pH:2.1

Solubility in Water:COMPLETE

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

Percent Volatiles by Volume:70-75

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, STRONG OXIDIZERS.

Stability Condition to Avoid:MATERIAL CAN DECOMPOSE AT TEMPERATURES ABOVE 338F (170C). AVOID TEMPERATURES ABOVE 158F (70C).

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL REGULATIONS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

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