

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.

=====
===== 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.

=====
===== 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.

=====
===== 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

=====
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 (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
=====

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

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

Stability Indicator/Materials to Avoid:YES

ST

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

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

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

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.