

EASTMAN KODAK COMPANY -- 100 7509 COLOR DEVELOPER REPLENISHER, PROCESS E-6AR, PART B -- 6750-01-033-5154

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

Product ID:100 7509 COLOR DEVELOPER REPLENISHER, PROCESS E-6AR, PART B

MSDS Date:07/11/2000

FSC:6750

NIIN:01-033-5154

MSDS Number: BGGFF

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Cou

ntry: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

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

Minimum % Wt:90.

Maximum % Wt:95.

Other REC Limits:NOT PROVIDED

Code:F

Code:F

Ingred

Name:4-(N-ETHYL-N-2-METHANESULFONYLAMINOETHYL)-2-METHYLPHENYLENEDIA
MINE SESQUISULFATE MONOHYDRATE

CAS:25646-71-3

RTECS #:PB0431000

Minimum % Wt:5.

:7631-90-5
RTECS #:VZ2000000
< Wt:1.
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:EFFECTS OF EXPOSURE: INHALATION: VAPOR
IRRITATING. MAY BE HARMFUL IF INHALED. LIBERATES SULFUR DIOXIDE GAS
WHICH CAN CAUSE IRRITATION TO THE RESPIRATORY
TRACT. SOME
ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT
BREATHING. EYES: CAUSES IRRITATION. VAPOR IRRITATING. SKIN: CAUSES
IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. INGESTION: HARMFUL IF
SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT.
SOME ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE
WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS,
WEAKNESS AND DIARRHEA.

Explanation of Carcinogenicity:CARCINOGENICITY
CLASSIFICATION
(COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR
RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF
GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): SODIUM BISULFITE, A4;
NOT CLASSIFIABLE AS HUMAN CARCINOGEN. - NATIONAL TOXICOLOGY PROGRAM
(NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA):
NONE

Effects of Overexposure:INHALATION: VAPOR IRRITATING. LIBERATES SULFUR
DIOXIDE GAS WHICH CAN CAUSE IRRITATION TO THE RESPIRATO
RY TRACT.
SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE
DIFFICULT BREATHING. EYES: CAUSES IRRITATION. VAPOR IRRITATING.
SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.
INGESTION: MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT. SOME
ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE
WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS,
WEAKNESS AND DIARRHEA.

Medical Cond Aggravated by Exposure:SOME ASTHMATICS, HYPERSENSITIV

E 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: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMM EDIATELY FLUSH WITH PLENTY OF WATER FOR

AT LEAST 15

MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. NGESTION: 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:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

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

Unusual Fire/Explosion Hazard:NONE

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

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

Neutralizi

ng Agent:NOT PROVIDED

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES (SEE INCOMPATIBILITY SECTION).

Other Precautions:DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING MIST OR VAPOR AT CONCENTRATIONS GREATER THAN THE EXPOSURE LIMITS. 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. SEE STABILITY AND REACTIVITY SECTION. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protective Gloves:WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

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

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED.

===== Ph
ysical/Chemical Properties =====

HCC:C1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>100.C, 212.F

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

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:(68F):24 MBAR (18 MM HG)

Vapor Density:0.6

Spec Gravity:1.02

pH:1.4

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT AMBER LIQUID, SULFUR DIOXIDE ODOR.

Percent Volatiles by Volume:90-95 WT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid: YES

BASES

Stability Condition to Avoid: NOT PROVIDED

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE,
SULFUR DIOXIDE, NITROGEN OXIDES (NOX).

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

Toxicological Information: DATA FOR

4-(N-ETHYL-N-2-METHANESULFONYLAMINOETHYL)-2-METHYLPHENYLENEDIAMINE
SESQUISULFATE MONOHYDRATE ACUTE TOXICITY DATA: ORAL LD-50

(MALE

RAT): 400 MG/KG (TARGET ORGAN EFFECTS: KIDNEY). ORAL LD-50

(FEMALE RAT): 246 MG/KG. DERMAL LD-50: > 1000 MG/KG (HIGHEST DOSE

TESTED). SKIN IRRITATION: SLIGHT. REPEATED SKIN APPLICATION:

MODERATE IRRITATION. SKIN SENSITIZATION: MODERATE. SKIN

SENSITIZATION (HUMAN): POSITIVE. EYE IRRITATION (UNWASHED EYES):

MODERATE. EYE IRRITATION (WASHED EYES): SLIGHT

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

Ecological: THE FOLLOWING PROPERTIES ARE

ESTIMATED FROM THE COMPONENTS

OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: 10-100.

DAPHNID EC50 MG/L: 10-100. ALGAL IC50 MG/L: 10-100. ORGANICS

READILY DEGRADABLE (>70%): YES (7 DAYS). POTENTIAL

BIOACCUMULATION: LOG POW 100 .

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

Waste Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL IS SUBJECT TO

NATIONAL, STATE, OR LOCAL LAWS. SINCE EMPTIED CONTAINERS RETAIN

PRODUCT RESIDUE, FOLLOW

LABEL WARNINGS EVEN AFTER CONTAINER IS

EMPTIED. CONTRACT WITH A LICENSED CHEMICAL DISPOSAL AGENCY.

===== 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 I

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

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