

EASTMAN KODAK COMPANY -- 104 5053,PT A,KODAK FLEXICOLOR DEVELOPER REPLENISHER - LORR -- 6750-01-416-0707

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

Product ID:104 5053,PT A,KODAK FLEXICOLOR DEVELOPER REPLENISHER - LORR

MSDS Date:05/02/2000

FSC:6750

NIIN:01-416-0707

Status Code:A

Kit Part:Y

MSDS Number: CKVWG

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHEST

ER

State:NY

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

Chemtrec Ind/Phone:(800)424-9300

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

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

Ingred Name:WATER

CAS:7732-18

-5

RTECS #:ZC0110000

Minimum % Wt:55.

Maximum % Wt:60.

Other REC Limits:NOT PROVIDED

Code:F

Code:F

Ingredient Name:POTASSIUM CARBONATE

CAS:584-08-7

RTECS #:TS7750000

Minimum % Wt:30.

Maximum % Wt:35.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingredient Name:SODIUM SULFITE

CAS:7757-83-7

RTECS #:WE2150000

Minimum % Wt:1.

Maximum % Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingredient Name:PENTETIC ACID, PENTASODIUM SALT

CAS:140-01-2

Min

imum % Wt:1.

Maximum % Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingredient Name:POTASSIUM SULFITE

CAS:10117-38-1

RTECS #:WT3530000

Minimum % Wt:1.

Maximum % Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingredient Name:SODIUM BROMIDE

CAS:7647-15-6

RTECS #:VZ3150000

< Wt:1.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingredient Name:SODIUM BISULFITE

CAS: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:

EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SU

LFUR D IOXIDE GAS. SULFUR DIOXIDE

GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING.

EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. THIS MATERIAL HAS A LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; HOWEVER, CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

Explanation of Carcinogenicity:CARCI

NOGENICITY CLASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NONE - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATOR

Y TRACT. SOME ASTHMATICS OR

HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING.

EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. INGESTION: MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

Medical Cond Aggravated by Exposure:SOME ASTHMATICS, HYPERSENSITIVE OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING, WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

===== First Aid Measure

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First Aid:INHALATION: IF SYMPTOMATIC, 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 ATTE NTION. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CONTAMINATED CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF SYMPTOMS O CCUR. DESTROY OR THOROUGHLY CLEAN

CONTAMINATED SHOES. INGESTION: DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOU TH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. FOR LARGE SPILLS: ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED.

Other Precautions:

AVOID BREATHING MIST OR VAPOR. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. 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: HIGH EFFICIENCY PARTICULATE AEROSOL (HEPA); A P ROGRAM SHOULD BE INSTITUTED TO ASSURE COMPL

ANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH 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, WASHING FACILITIES.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

SUPPLEMENTARY LOCAL EXHAUST VENTILATION, CLOSED SYSTEMS, OR RESPIRATORY

PROTECTION MAY BE NEEDED IN SPECIAL CIRCUMSTANCES SUCH AS POORLY VENTILATED SPACES, EVAPORATION FROM LARGE SURFACES, SPRAYING, HEATING, ETC.

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

HCC:C2

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):23.4 MBAR(18 MM HG)

Vapor Density:0.6

Spec Gravity:1.413

pH:11.7

Viscosity:NOT PROVIDED

ED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS, ODORLESS, LIQUID.

Percent Volatiles by Volume:55-60 WT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

NONE WITH COMMON MATERIALS AND CONTAMINANTS WITH WHICH THE MATERIAL MAY REASONABLY COME INTO CONTACT.

Stability Condition to Avoid:NOT PROVIDED

Hazardous Decomposition Products:NONE (NONCOMBU

STIBLE)

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

Toxicological Information: EFFECTS OF EXPOSURE: INHALATION: EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. THIS MATERIAL HAS A LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; HOWEVER, CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

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

Ecological: THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: >100. DAPHNID EC50 MG/L: >100. ALGAL IC50 MG/L: NOT AVAILABLE. ORGANICS READILY DEGRADABLE (>70%): NO. 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 AMOUNTS OF WATER. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

===== MSD

S 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 AN

D 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

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

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