

EASTMAN KODAK COMPANY -- 889 8785,WS,EKTACOLOR PRIME BLEACH FIX (SEE SUPPL DATA) --
6750-01-387-5735

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

Product ID:889 8785,WS,EKTACOLOR PRIME BLEACH FIX (SEE SUPPL DATA)

MSDS Date:07/12/2000

FSC:6750

NIIN:01-387-5735

Status Code:A

MSDS Number: CKTSY

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:146

50

Country:US

Info Phone Num:716-722-5151/(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

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:85.

Maxumum % Wt:90.

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her REC Limits:NOT PROVIDED

Code:F

Code:F

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:AMMONIUM FERRIC ETHYLENEDIAMINETETRAACETIC ACID

CAS:21265-50-9

Minumum % Wt:1.

Maxumum % Wt:5.

Other REC Limits:NOT PROVIDED

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 R

EC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:5 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID

CAS:64-19-7

RTECS #:AF1225000

< Wt:1.

Other REC Limits:NOT PROVIDED

OSHA PEL:25 MG/M3;10 PPM

ACGIH TLV:25 MG/M3;10 PPM

ACGIH STEL:37 MG/M3;15 PPM

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM SULFITE

CAS:10196-04-0

< Wt:1.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====
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LD50 LC50 Mixture:NOT PROVIDED

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: EXPECTED LOW HAZARD FOR RECOMMENDED HANDLING. IN CONTACT WITH STRONG ACIDS OR HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO RESPIRATORY TRACT. ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: NO SPECIFIC HAZARD

KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN: MATERIAL HAS LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF SWALLOWED. 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): NONE - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: IN CONTACT WITH STRONG ACIDS OR HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO RESPIRATORY TRACT. ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: MAY

CAUSE TRANSIENT IRRITATION. SKIN: INGESTION: ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

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.

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===== First Aid Measures =====
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First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: ANY MATERIAL THAT CONTACTS THE EYE SHOULD BE WASHED OUT IMMEDIATELY WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL, ALCOHOL FOAM.

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

Unusual Fire/Explosion Hazard:SOLUTION CONTAINS A STRONG REDUCING AGENT. DRIED PRODUCT RESIDUE CAN ACT AS A REDUCING AGENT.

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

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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:NOT PROVIDED

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED TO PREVENT THE LOSS OF WATER. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES

KEEP FROM CONTACT WITH OXIDIZING MATERIALS, HIGHLY OXYGENATED OR HALOGENATED SOLVENTS, ORGANIC COMPOUNDS CONTAINING REDUCIBLE FUNCTIONAL GROUPS, OR AQUEOUS AMMONIA.

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:NONE SHOULD BE NEEDED. A RESPIRATOR SHOULD BE

WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE LIKELY TO BE OR HAVE BEEN RELEASED. RESPIRATOR TYPE: ACID GAS. 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:FOR PROLONGED OR REPEATED SKIN CONTACT: IMPERVIOUS GLOVES SHOULD BE WORN.

Eye Protection

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

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

Work Hygienic Practices:IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE EYE CONTACT. IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE SKIN CONTACT.

Supplemental Safety and Health

CONTINUED FROM PRODUCT ID: AND REPLENISHER. WS = WORKING SOLUTION

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boi

ling 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:1.100

pH:5.3

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:REDDISH-BROWN LIQUID. ODOR: SLIGHT AMMONIA

Percent Volatiles by Volume:70-75 WT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Mat

erials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS, BASES, SODIUM HYPOCHLORITE (BLEACH), COMBUSTIBLE MATERIAL, HALOGENATED MATERIALS.

Stability Condition to Avoid:NOT PROVIDED

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

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

Toxicological Information:INHALATION: EXPECTED LOW HAZARD FOR RECOMMENDED HANDLING. IN CONTACT WITH STRONG ACIDS

OR HEATED,

SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO RESPIRATORY TRACT. ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN: MATERIAL HAS LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF SWALLOWED. ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE

WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA

==== Ecological Information =====

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. THE EFFECTS OF ARE CONSIDERED THE MOST SIGNIFICANT IN THIS ESTIMATION: POTENTIAL TOXICITY FISH LC50 MG/L: > 100 DAPHNID EC50 MG/L: 10-100 ALGAL IC50 MG/L: > 100 ORGANICS READILY DEGRADABLE YES (7 DAYS) (>70%): POTENTIAL BIOACCUMULATION: LOG POW 100 EC50 (MG/L):

==== 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.

==== 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

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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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assume responsibility for the suitability of this information to their
particular situation.