

EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS -- 847 1484, PT B, KODAK
EKTACOLOR RA BLEACH FIX (SEE SUPPL) -- 6750-01-319-5407

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

Product ID:847 1484, PT B, KODAK EKTACOLOR RA BLEACH FIX (SEE SUPPL)

MSDS Date:05/01/2000

FSC:6750

NIIN:01-319-5407

Status Code:A

Kit Part:Y

MSDS Number: CLKWL

=== Responsible Party ===

Company Name:EASTMAN KODAK CO GOVERNMENT MARKETS CON
TRACTS

Address:343 STATE ST

City:ROCHESTER

State:NY

ZIP:14650-1115

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

Contract Num:SP0500-96-D-9413N375

CAGE:19139

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-9413N385

CAGE:19139

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:70.

Maxumum % Wt:75.

Code:F

Code:F

Ingred Name:AMMONIUM FERRIC ETHYLENEDIAMINETETRAACETIC ACID

CAS:21265-50-9

Minumum % Wt:20.

Maxumum % Wt:25.

ROVIDED

Ingred Name:ACETIC ACID

CAS:64-19-7

RTECS #:AF1225000

Minumum % Wt:1.

Maxumum % Wt:5.

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

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

LD50 LC50 Mixture:NOT PROVIDED

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

Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: GENERAL:

CONTAINS: AMMONIUM FERRIC ETHYLEN

EDIAMINETETRAACETIC ACID. THIS

COMPOUND CAN CHELATE METALS AND MAY ALTER CALCIUM AND OTHER CATION
BALANCES. INHALATION: LOW HAZARD FOR US UAL INDUSTRIAL HANDLING BY
TRAINED PERSONNEL. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE
TRANSIENT IRRITATION. SKIN: LOW HAZARD FOR USUAL INDUSTRIAL
HANDLING BY TRAINED PERSONNEL. INGESTION: EXPECTED T O BE A LOW
INGESTION HAZARD.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): - IN

TERNATIONAL AGENCY FOR

RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF
GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NON E - NATIONAL
TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH
ADMINISTRATION (OSHA): NONE

Effects of Overexposure:EYES: MAY CAUSE TRANSIENT IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT

SY

IMMEDIATELY. 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. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR
THOROUGHLY CLEAN CONTAMINATED SHOES. 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 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:NONE

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT
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. KEEP
AWAY FROM INCOMPATIBLE SUBSTANCES. KEEP FROM CONTACT WITH
OXIDIZING MATERIALS.

Other Precautions:AVOID BREATHING VAPOR AT CONCENTRATIONS GREATER THAN

THE EXPOSURE LIMITS. 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: FULL-FACE ORGANIC VAPOR
CARTRIDGE. A RESPIRATOR SHOULD

BE WORN IF HAZARDOUS DECOMPOSITION

PRODUCTS ARE LIKELY TO BE OR HAVE BEEN RELEASED. RESPIRATOR: ACID GAS. ASSURE COMPLIANCE W/OSHA STANDARD 29 CFR 1910.134

Ventilation:USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:FOR PROLONGED OR REPEATED SKIN CONTACT, IMPERVIOUS GLOVES SHOULD BE WORN.

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

Other P

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

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

CONTD FROM PRODUCT ID: AND REPLENISHER. THIS IS A KIT. THE OTHER MSDS SERIAL NUMBER: CLKYF.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>100.C, 212.F

Melt/Fre

Freezing Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

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

Vapor Density:0.6

Spec Gravity:1.10

pH:5.6

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

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

Percent Volatiles by Volume:70-75 WT

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZI

NG AGENTS, BASES, SODIUM HYPOCHLORITE (BLEACH).

Stability Condition to Avoid:NOT PROVIDED

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

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

Toxicological Information:EFFETS OF EXPOSURE: GENERAL: CONTAINS:
AMMONIUM FERRIC ETHYLENEDIAMINETETRAACETIC ACID. THIS COMPOUND CAN
CHELATE METALS AND MAY ALTER CALCIUM AND OTHER CATION BALANCES.
INHALATION: LOW HAZARD
FOR US UAL INDUSTRIAL HANDLING BY TRAINED
PERSONNEL. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT
IRRITATION. SKIN: LOW HAZARD FOR USUAL INDUSTRIAL HANDLING BY
TRAINED PERSONNEL. INGESTION: EXPECTED T O BE A LOW INGESTION
HAZARD.

===== 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: >100. ORGANICS
READILY DEGRAD ABLE (>70%): YES (14 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 CA
LL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE:
(716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD
TIME), MONDAY THROUGH FR IDAY.

===== 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 Regula

tory 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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particular situation.