

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

=====
===== 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.

==

===== 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 =====

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 t
his 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.