

EASTMAN KODAK COMPANY -- 838 0578, PT A, KODAK FLEXICOLOR BLEACH III (SEE SUPPL) --
6750-01-418-6293

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

Product ID:838 0578, PT A, KODAK FLEXICOLOR BLEACH III (SEE SUPPL)

MSDS Date:08/23/2000

FSC:6750

NIIN:01-418-6293

Status Code:A

Kit Part:Y

MSDS Number: CLHBL

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

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

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:85.

Max

umum % Wt:90.
Other REC Limits:NOT PROVIDED
Code:F
Code:F

Ingred Name:AMMONIUM BROMIDE
CAS:12124-97-9
RTECS #:BO9170000
= Wt:6.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:AMMONIUM ACETATE
CAS:631-61-8
RTECS #:AF3675000
= Wt:4.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID
CAS:64-19-7
RTECS #:AF1225000
Minumum % Wt:1.
Maxumum % Wt:5.
Other REC Limits:NOT PR
OVIDED
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

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===== 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 RECOMMENDED HANDLING. EYES: NO
SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN: LOW
HAZARD FOR

RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE A LOW
INGESTION HAZARD.

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: EYES: MAY CAUSE TRANSIENT IRRITATION.

Medical Conditions Aggravated by Exposure: NOT PROVIDED

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

First Aid: INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT
SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:
ANY MATERIAL THAT CONTACTS 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.

===== 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

===== 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
M

ATERIALS.

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.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: FULL-FACE ORGANIC VAPOR CARTRIDGE. RESPIRATOR

MUST BE WORN IF HAZARDOUS DECOMPOSITION

PRODUCTS ARE LIKELY TO BE OR HAVE BEEN RELEASED. RESPIRATOR: ACID GAS. 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

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

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

HCC:C3

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: 24MBAR (18 MM HG)

Vapor Density:0.6

Spec Gravity:1.04

pH:4.5

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID - S

TRONG VINEGAR ODOR
Percent Volatiles by Volume:85-90 WT
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES
BASES, SODIUM HYPOCHLORITE (BLEACH), STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:NOT PROVIDED
Hazardous Decomposition Products:HYDROGEN BROMIDE, AMMONIA, CHLORAMINE,
NITROGEN OXIDES (NOX), CARBON DIOXIDE, CARBON MONOXIDE.

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

Toxicological Information:INHALATION: EXPECTED TO BE A LOW HAZARD FOR
RECOMMENDED HANDLING. EYES: NO SPECIFIC HAZARD KNOWN. MAY
CAUSE TRANSIENT IRRITATION. SKIN: LOW HAZARD FOR RECOMMENDED
HANDLING. INGESTION: E XPECTED TO 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 M
G/L: >100. ALGAL IC50 MG/L: >100. ORGANICS
READILY DEGRAD ABLE (>70%): YES (7 DAYS). POTENTIAL
BIOACCUMULATION: LOG POW 100. AFT ER DILUTION WITH A LARGE
AMOUNT OF WATER, FOLLOWED BY SECONDARY WASTE TREATMENT, THIS
MATERIAL IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS.

===== 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. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW
LABEL WARNINGS EV EN AFTER CONTAINER IS EMPTIED.

===== 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 FR IDAY.

===== Regulatory Information =====

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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: NITRATE COMPOUNDS (WATER DIS SOCIABLE) (AMMONIUM NITRATE); AMMONIUM ACETATE, AMMONIUM BROMIDE (AS CHEMICAL SOURCE OF AQUEOUS AMMONIA)

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUS

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

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

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