

EASTMAN KODAK COMPANY -- 818 4038 FLEXICOLOR BLEACH III REPLENISHER, PART B --  
6750-01-047-9108

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

Product ID:818 4038 FLEXICOLOR BLEACH III REPLENISHER, PART B

MSDS Date:11/22/1996

FSC:6750

NIIN:01-047-9108

MSDS Number: BVQBF

=== 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

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

Company Name:EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES

Address:800 LEE RD

Box:City:ROCHESTER

State:NY

ZIP:14650-3129

Country:US

Phone:800-828-6203

CAGE:5K871

===== Composition/Informati

on on Ingredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 75-80%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM FERRIC PROPYLENEDIAMINETETRAACETIC ACID  
CAS:111687-36-6  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM NITRATE (SOLUTION) (SARA III)  
CAS:6484-52-2  
RTECS #:BR9050000  
Fraction by Wt: 7%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ACETIC ACID (SARA III)  
CAS:64-19-7  
RTECS #:AF1225000  
Fraction by Wt: 1-5%

Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:1,3-PROPYLENEDIAMINETETRAACETIC ACID  
CAS:1939-36-2  
Fraction by Wt: < 1%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT): NOT GIVEN  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:E

EXPECTED TO BE A LOW INHALATION HAZARD  
FOR RECOMMENDED HANDLING. VAPOR MAY BE IRRITATING. MAY CAUSE  
TRANSIENT EYE IRRITATION. LOW SKIN CONTACT HAZARD FOR RECOMMENDED  
HANDLING. EXPECTED TO BE A LOW INGESTION HAZARD.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:EYE IRRITATION, RESPIRATORY TRACT IRRITATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL  
ATTENTION IF SYMPTOMS PERSIST. EYES: WASH 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:NONFLAMMABLE  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL  
FOAM  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING.  
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS. SOLUTION CONTAINS A STRONG  
OXIDIZER. DRIED PRODUCT RESIDUE CAN ACT AS AN OXIDIZER.

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

Spill Release Procedures:FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNTS  
OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT  
MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN  
SURFACE TO REMOVE RESIDUAL CONTAMINATION.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES. AVOID

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PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS. KEEP FROM CONTACT WITH OXIDIZING MATERIALS.

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

Respiratory Protection:NONE SHOULD BE NEEDED. A FULL-FACE POSITIVE-PRESSURE AIR-SUPPLIED RESPIRATOR MUST BE WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE LIKELY TO BE RELEASED OR HAVE BEEN RELEASED.

Ve

ntilation:GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Suppleme

ntal Safety and Health

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. KEY1:C3.

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

HCC:C3

Boiling Pt:B.P. Text:>212F,>100C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.07

pH:3.6

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:GREENS LIQUID, VINEGAR ODOR

Percent Volatiles by Volume:75-80%

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

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Stability Indicator/Materials to Avoid: YES  
BASES, SODIUM HYPOCHLORITE (BLEACH), STRONG OXIDIZING AGENTS,  
COMBUSTIBLE MATERIAL, STRONG REDUCING AGENTS.  
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE,  
OXIDES OF NITROGEN, AMMONIA, CHLORAMINE.

===== Disposal Considerations =====

Waste Disposal Methods: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT  
TO NATIONAL,  
STATE OR LOCAL LAWS. MAY REQUIRE NEUTRALIZATION IF PH  
< 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE  
FEDERAL, STATE AND LOCAL REGULATIONS.

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