

EASTMAN KODAK COMPANY -- 825 5549 FLEXICOLOR RA BLEACH REPLENISHER NR --  
6750-01-360-5171

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

Product ID:825 5549 FLEXICOLOR RA BLEACH REPLENISHER NR

MSDS Date:02/07/1997

FSC:6750

NIIN:01-360-5171

MSDS Number: CCJGD

=== 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/Information on I

ngredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 60 - 65%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

Ingred Name:AMMONIUM FERRIC PROPYLENEDIAMINETETRAACETIC ACID  
CAS:111687-36-6  
Fraction by Wt: 10 - 15%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM BROMIDE  
CAS:12124-97-9  
RTECS #:BO9170000  
Fraction by Wt: 5 - 10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM NITRATE  
CAS:6484-52-2  
RTECS #:BR9050000

Fraction by Wt: 8%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SUCCINIC ACID  
CAS:110-15-6  
RTECS #:WM4900000  
Fraction by Wt: 1 - 5%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE. ACUTE- EYE:NO  
SPECIFIC HAZARD KNOWN. MAY CAUSE TRAN

SIENT IRRITATION. SKIN:LOW

HAZARD FOR RECOMMENDED HANDLING. INHALE:EXPECTED TO BE A LOW HAZARD. ORAL:EXPECTED TO BE A LOW INGESTIO N HAZARD. CHRONIC-UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:TRANSIENT EYE IRRITATION

Medical Cond Aggravated by Exposure:NONE

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. EYES:ANY MATERIAL THAT CONTACTS THE EYE SHOULD BE WAS HED OUT

IMMEDIATELY WITH WATER. SKIN:WASH WITH SOAP & WATER. ORAL:DRINK 1-2 GLASSE S OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), ALCOHOL FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROT ECTIVE CLOTHING AND NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:MAY CAUSE DECOMPOSITION. DRIED MATERIAL CAN ACT AS AN OXIDIZER.

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

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT OF WATER IF PERMITTED. OTHERWISE, ABSORB SPILL WITH INERT MATERIAL SUCH AS VERMICULITE. PLACE IN A CONTAINER FOR DISPOSAL. CLEAN AREA

T HOROUGHLY TO REMOVE RESIDUAL CON TAMINATION. PREVENT RUNOFF FROM ENTERING SEWERS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINER, AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:DO NOT GET IN EYES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN.

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

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respiratory Protection:NONE SHOULD BE NEEDED.  
Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES/HR)  
SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS  
Protective Gloves:RUBBER FOR PROLONGED/REPEATED CONTACT  
Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES  
Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES  
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health  
FORMULA

AND/OR PERCENTAGE CHANGED. ECOLOGICAL INFORMATION:A LOW  
BIOCHEMICAL OXYGEN DEMAND, A LOW POTENTIAL TO AFFECT AQUATIC  
ORGANISMS. AFTER DILUTION WITH LARGE AMOUNT OF WATER, FOLLOWED BY  
WASTE TREATMENT, IT IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL  
EFFECTS.

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

HCC:C3  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:B.P. Text:>212F,>100C  
Decomp Temp:Decomp Text:>419F,>215C  
Vapor Pres:18 @ 68F  
Vapor Density:0.6  
Spec Gr  
Gravity:1.17  
pH:4  
Solubility in Water:COMPLETE  
Appearance and Odor:DARK GREEN LIQUID - ODORLESS  
Percent Volatiles by Volume:60- 65

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

Stability Indicator/Materials to Avoid:YES  
BASES, SODIUM HYPOCHLORITE (BLEACH), STRONG OXIDIZING AGENTS, STRONG  
REDUCING AGENTS. BASE LIBERATES FLAMMABLE MATERIAL.  
Stability Condition to Avoid:TEMPERATURES ABOVE 115C/239F  
Hazardous Decomposition Products:HYDROGEN BROMIDE, AMMONIA, CHLORAMINE,  
NITROGEN OXIDE, CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT  
TO FEDERAL, STATE OR LOCAL REGULATIONS. FLUSH TO SEWER WITH LARGE  
AMOUNT OF WATER, IF ALLOWED.

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