

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 Ingr

edients =====

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  
Fr  
action 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 TRANSIE

NT IRRITATION. SKIN:LOW

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

Explanation of Carcinogenicity:NONE

Effects of Overexposure:TRANSIENT EYE IRRITATION

Medical Cond Aggravated by Exposure:NONE

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

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

=====  
Fire Fighting Measures  
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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 PROTECTIVE 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  
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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 THOR

OUGHLY TO REMOVE RESIDUAL CONTAMINATION. PREVENT RUNOFF FROM ENTERING SEWERS.

Neutralizing Agent:NOT RELEVANT

=====  
Handling and Storage  
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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.

=====  
Exposure Controls/Personal Protection  
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Resp

iratory 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 AN

D/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 Gravi

ty: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,  
NI

TROGEN 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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