

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

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

Product ID:825 5549, KODAK FLEXICOLOR RA BLEACH REPLENISHER NR

MSDS Date:05/02/2000

FSC:6750

NIIN:01-360-5171

Status Code:A

MSDS Number: CLDLZ

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Count

ry: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:65.

Maxumum % Wt:70.

Ingr

ed Name:FERRIC AMMONIUM PROPYLENEDIAMINETETRAACETIC ACID

CAS:111687-36-6

Minumum % Wt:10.

Maxumum % Wt:15.

Ingred Name:AMMONIUM BROMIDE

CAS:12124-97-9

RTECS #:BO9170000

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:AMMONIUM NITRATE

CAS:6484-52-2

RTECS #:BR9050000

= Wt:8.

Ingred Name:SUCCINIC ACID

CAS:110-15-6

RTECS #:WM4900000

Minumum % Wt:1.

Maxumum % Wt:5.

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

LD50 LC50 Mixture:NOT PROVIDED

Reports of Carcinogenicity:NTP:NO

IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EFFETS OF EXPOSURE: CONTAINS: FERRIC AMMONIUM PROPYLENEDIAMINETETRAACETIC ACID. THIS COMPOUND CAN CHELATE METALS AND MAY ALTER CALCIUM AND OTHER CATION BALANCES. 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 Cond 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: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:SOLUTION CONTAINS A STRONG OXIDIZER. DRIED PRODUCT RESIDUE CAN ACT AS AN OXIDIZER. FIRE OR HIGH TEMPERATURES MAY CAUSE DECOMPOSITION.

=====  
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. COLLECT IN A NONCOMBUSTIBLE CONTAINER FOR PROMPT DISPOSAL. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:KEEP

AWAY FROM INCOMPATIBLE SUBSTANCES

(SEE INCOMPATIBILITY SECTION). STORE IN ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED TO PREVENT THE LOSS OF WATER. DO NOT STORE OR SHIP TOGETHER WITH COMBUSTIBLE MATERIAL.

Other Precautions:AVOID CONTACT WITH EYES AND PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM COMBUSTIBLE MATERIAL. REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY. KEEP AWAY FROM HEAT. KEEP

FROM CONTACT WITH OXIDIZING MATERIALS.

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

Respiratory Protection:NONE SHOULD BE NEEDED.

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

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI = GASTROINTESTINAL. SCBA = SELF CONTAINED BREATHING APPARATUS.

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

HCC:C1

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:1.61

pH:4

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR GREEN LIQUID - ODORLESS.

Percent Volatiles by Volume:60- 65 WT

Corrosion Rate:NOT PRO

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

Stability Indicator/Materials to Avoid: YES

BASES, SODIUM HYPOCHLORITE (BLEACH), COMBUSTIBLE MATERIAL, STRONG REDUCING AGENTS. CONTACT WITH BASE LIBERATES FLAMMABLE MATERIAL. MATERIAL CAN REACT VIOLENTLY WITH COMBUSTIBLE MATERIAL.

Stability Condition to Avoid: STABLE. MATERIALS CONTAINING SIMILAR STRUCTURAL GROUPS CAN DECOMPOSE IF HEATED ABOVE 215C (419F).

Hazardous Decomposition Products: AMMONIA, CHLORAMINE. CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN.

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

Toxicological Information: EFFECTS OF EXPOSURE: CONTAINS: FERRIC AMMONIUM PROPYLENEDIAMINETETRAACETIC ACID THIS COMPOUND CAN CHELATE METALS AND MAY ALTER CALCIUM AND OTHER CATION BALANCES. INHALATION: EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN: LOW HAZARD F OR RECOMMENDED HANDLING. INGESTION: EXPECTED 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 MG/L: >100. ALGAL IC50 MG/L: 10-100. ORGANICS READILY DEGRADABLE (>70%): NO. 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. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

===== MSDS Transport Information =====

Transport Information: FOR TRANSPORTATION INFORMATION REGARDING THIS PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE: (716) 7

22-2400 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: NITRATE COMPOUNDS (WATER DIS SOCIABLE) (AMMONIUM NITRATE)

Federal Regulatory Information:NOT PROVIDED

State Regulatory 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 this 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.