

EASTMAN KODAK COMPANY -- 160 6854 ROYALPRINT FIXER & REPLSHR,CONCEN SOLN#: 5215. --  
6750-01-355-2362

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

Product ID:160 6854 ROYALPRINT FIXER & REPLSHR,CONCEN SOLN#: 5215.

MSDS Date:04/08/1991

FSC:6750

NIIN:01-355-2362

MSDS Number: BVQGS

=== 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:HEALTH & ENVIRO LAB

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 Ingredients =====

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 40-45%

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Fraction by Wt: 40-45%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM THIOSULFATE

CAS:7772-98-7

RTECS #:XN6476000

Fraction by Wt: 5-10%

Other REC Limits:NONE RECOMMENDED

5000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM SULFITE (SARA III)  
CAS:10196-04-0  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

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Hazards I  
dentification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL:LOW HAZARD FOR RECOMMENDED  
HANDLING. EYES:NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT  
IRRITATION. SKIN:LOW HAZARD FOR RECOMMENDED HANDLING.  
INGEST:EXPECTED TO BE A LOW INGESTIN HAZARD.  
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT  
CONCENTRATIONS OF 0.1% OR GREATER THAT A  
RE CARCINOGENS OR SUSPECT  
CARCINOGENS.  
Effects of Overexposure:TRANSIENT EYE IRRITATION.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:INHAL:IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MED ATTN IF  
SYMPTONS PERSIST. EYES:IMMED FLUSH W/LOTS OF WATER FOR @ LEAST  
15MINS. GET MED ATTN IF SYMPTOMS OCCUR. SKIN:WASH AFTER EACH  
CONTACT. GET MED AT TN IF SYMPTOMS OCCUR. INGEST:DRINK 1-2 GLASSE

S

OF WATER. SEEK MED ATTN.

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

Flash Point:NONE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

Fire Fighting Procedures:WEAR EYE, SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:FLUSH TO SEWER W/LG AMTS OF WATER. DISCHARGE,

TREATMENT, OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL LAWS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP FROM CONTACT W/OXIDIZING MATLS. KEEP CONTAINERS TIGHTLY CLOSED & AWAY FROM STRONG ALKALI.

Other Precautions:PRODUCT:MOD BIOCHEM OXY DEMAND & MAY CAUSE OXY DEPLETION IN AQU SYS;LOW POT TO AFFECT SOME AQU ORGANISMS & 2ND WASTE TREA

TMENT MICROORGANISMS & GERMINATION OF SOME TERRESTRIAL PLANTS;HI POT TO AFFECT G ROWTH OF SOME PLANTS.(SUPPLEMENTAL)

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

Respiratory Protection:PER MFG'S MSDS NONE SHOULD BE NEEDED; HOWEVER, IF CONDITIONS EXCEEDS TLV USE NOISH-APPROVED RESPIRATOR/CARTRIDGES. SUPPLEMENTARY RESP PROTECTION MAY BE NEEDED IN SPECIAL CIRCUMSTANCES.

Ventilation:USE GOOD GEN VENTI(TYP 10 AIR CHANGES/HR).MATCH VENTI RATES TO CONDITIONS

.SUPPLEM VENTI MAY BE NEEDED IN SPEC CIRCUMSTAN

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS.

Other Protective Equipment:NONE SPECIFIED BY MFG.

Work Hygienic Practices:WASH HANDS WELL AFT HANDLING.GOOD INDUSTRIAL HYGIENE PRACTICE SHOULD BE FOLLOWED.

Supplemental Safety and Health

PRECAUTION:COMPONENTS NOT LIKELY TO BIOCONCENTRATE.DIRECT INSTANTANEOUS DISCHARGE TO REC BODY OF H2O OF CONCEN 2.0MG/L OR LESS NOT EXPECTED TO CAUSE ADVERSE ENVRIO EFFECT

S.AF DIL W/LG AMTS OF H2O FOLL OWED

BY 2ND WASTE TREATMENT CHEM IN FORMULATION ARE NOT EXPECTED TO HAVE ANY ADVERSE ENVIRO IMPACT.

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

HCC:N1

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

Vapor Pres:18.0MM

Vapor Density:0.6

Spec Gravity:1.33

pH:5.8

Solubility in Water:COMPLETE.

Appearance and Odor:CLEAR COLORLESS SOLUTION, SLIGHT ODOR.

Percent Volatiles by Volume:45

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, STRONG ALKALI.

Stability Condition to Avoid:NONE SPECIFIED BY MFG. HOWEVER AVOID HIGH TEMPERATURES.

Hazardous Decomposition Products:AMMONIA.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL LAWS.

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