

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:800-828-62

03

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

3675000

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

=====
Hazard

s Identification =====

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 THAN ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:TRANSIENT EYE IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MED ATTN IF SYMPTOMS 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 GLA

SSES
OF WATER. SEEK MED ATTN.

===== 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.

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

Spill Release Procedures:FLUSH TO SEWER W/LG AM
TS OF WATER. DISCHARGE,
TREATMENT, OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE AND FEDERAL
LAWS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP FROM COTNACT 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
WSTE T

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

===== 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 CONDITI

ONS.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 EFF

ECTS.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.

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.