

EASTMAN KODAK CO. -- 160 6854,ROYALPRINT FIXER & REPL(POST OCT84 -- 6750-01-148-5705
===== Product Identification =====

Product ID:160 6854,ROYALPRINT FIXER & REPL(POST OCT84

MSDS Date:02/03/1987

FSC:6750

NIIN:01-148-5705

MSDS Number: BGNXY

=== Responsible Party ===

Company Name:EASTMAN KODAK CO.

Address:343 STATE ST.

City:ROCHESTER

State:NY

Info Phone Num:800-655-3293

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

===== Composition/Information on Ingredients =====

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Fraction by Wt: 40-45%

Ingred Name:SODIUM THIOSULFATE

CAS:7772-98-7

RTECS #:XN6476000

Fraction by Wt: 5-10%

Ingred Name:AMMONIUM ACET

ATE (SARA III)
CAS:631-61-8
RTECS #:AF3675000
Fraction by Wt: 1-5%
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM SULFITE
CAS:10196-04-0
RTECS #:WT3505000
Fraction by Wt: 1-5%
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 40-45%

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Haza
rds Acute and Chronic:ACUTE: EYE, SKIN & RESPIRATORY TRACT
IRRITATION. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE
SKIN IRRITATION AND MAY RESULT IN AN ALLERGIC SKIN REACTION.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:LOW HAZARD FOR USUAL INDUSTRIAL HANDLING.
EYE/SKIN: NO SPECIFIC HAZARD KNOWN TO KODAK. HOWEVER, UPON DIRECT
CONTACT PRODUCT CAN IRRITATE EYE. INGESTION:
NONE SPECIFIED BY
MANUFACTURER.
Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE EYES, SKIN, OR
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. EYES:IMMEDIATELY FLUSH WITH
PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL
ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING. WASH W

WITH SOAP AND

WATER. IF IRRITATION PERSISTS, GET MED ATTN. INGESTION:LOW HAZARD FOR USUAL INDUSTRIAL HANDLING.DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION IF ANY PROBLEM OCCUR

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

Flash Point:NONE

Extinguishing Media:EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPME

NT WHEN FIGHTING CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:SMALL SPILL: WIPE/SOAK UP WITH PAPER TOWEL OR INERT ABSORBENT. PUT IN DISPOSAL CONTAINER. REMOVE RESIDUE WITH WATER. LARGE SPILL: EVACUATE AND VENTILATE AREA. IF POSSIBLE, STOP LEAK.

DIKE TO RETAIN RUN OFF. VACUUM UP FREE LIQUID. ABSORB/WASH RESIDUE

Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE W

ITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. FOR INDUSTRIAL USE ONLY.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL(TLV), USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE AND DUST/MIST PRE-FILTER RESPIRATORS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/ WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY

ADEQUATE.

LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA NOT VENTED.

Protective Gloves:NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

CURRENT SOLUTION

#5215.OLD SOLUTION # 5067,ON MSDS EFFECTIVE 10/1/84

HAD SAME INGREDIENTS AS ON CURRENT MSDS EFFECTIVE 3FEB87.OLDEST MSDS EFFECTIVE 24APR80 HAD SOLUTION # 3753/4555,CAT #183 2377 & NO INGREDIENTS LISTED BUT HAD SAME PHYSICAL AND SAFETY DATA AS CURRENT MSDS DOES.THUS RECORD UPDATED OF OLD P/N IND ENTRY.

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

HCC:N1

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

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.33

pH:5.8

Solubility i

n Water:COMPLETE

Appearance and Odor:CLEAR,COLORLESS SOLUTION,HYPO ODOR

Percent Volatiles by Volume:45%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ALKALI

Stability Condition to Avoid:EXCESSIVE HEAT

Hazardous Decomposition Products:COMBUSTION MAY EMIT AMMONIA, OXIDES OF CARBON & SULFUR

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

Waste Disposal Methods:DISPOSAL SHOULD

BE MADE IN ACCORDANCE WITH ALL
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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.