

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%

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===== Hazards Identification =====  
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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.

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

ITH 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.

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