

EASTMAN KODAK -- 3000 FIXER AND REPLENISHER - REPLENISHER FIXER, PHOTOGRAPHIC
MATERIAL SAFETY DATA SHEET
NSN: 6750013050565
Manufacturer's CAGE: 19139
Part No. Indicator: C
Part Number/Trade Name: 3000 FIXER AND REPLENISHER

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General Information
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Item Name: REPLENISHER FIXER, PHOTOGRAPHIC
Company's Name: EASTMAN KODAK COMPANY
Company's Street: 343 STATE STREET
Company's City: ROCHESTER
Company's State: NY
Company's Country: US
Company's Zip Code: 14650
Company's Emerg Ph #: 716-722-5151
Company's Info Ph #: 716-722-5151
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 003
Status: FE
Date MSDS Prepared: 13SEP91
Safety Data Review Date: 27AUG92
Supply Item Manager: 80
MSDS Serial Number: BNQFH
Hazard Characteristic Code: C3
Unit Of Issue Container Qty: 5 GALLONS
Type Of Container: PLASTIC
Net Unit Weight: 51.0 LBS

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: AMMONIUM THIOSULFATE
Ingredient Sequence Number: 01
Percent: 30-35
NIOSH (RTECS) Number: XN6465000
CAS Number: 7783-18-8
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: SODIUM ACETATE
Ingredient Sequence Number: 02
Percent: 1-5
NIOSH (RTECS) Number: AJ4375000
CAS Number: 126-96-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: AMMONIUM ACETATE (SARA III)
Ingredient Sequence Number: 03
Percent: 1-5
NIOSH (RTECS) Number: AF3675000
CAS Number: 631-61-8
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: DISODIUM CITRATE
Ingredient Sequence Number: 04
Percent: 1-5
NIOSH (RTECS) Number: GE7580000
CAS Number: 144-33-2
OSHA PEL: NOT ESTABLISHED

ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: AMMONIUM SULFITE (SARA III)
Ingredient Sequence Number: 05
Percent: 1-5
NIOSH (RTECS) Number: UNKNOWN
CAS Number: 10196-04-0
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: SODIUM METABISULFITE
Ingredient Sequence Number: 06
Percent: 1-5
NIOSH (RTECS) Number: UX8225000
CAS Number: 7681-57-4
OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3; 9192
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 07
Percent: 55-60
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE SPECIFIED

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Physical/Chemical Characteristics
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Appearance And Odor: CLEAR COLORLESS SOLUTION. ACETATE ODOR.
Boiling Point: 212F,100C
Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): 18
Vapor Density (Air=1): 0.6
Specific Gravity: 1.224
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: UNKNOWN
Solubility In Water: COMPLETE
Percent Volatiles By Volume: 57
Viscosity: UNKNOWN
pH: 5.1
Corrosion Rate (IPY): UNKNOWN

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Fire and Explosion Hazard Data
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Flash Point: NONE
Extinguishing Media: NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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Reactivity Data
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Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: STRONG ACIDS, STRONG BASES.
Hazardous Decomp Products: AMMONIA, OXIDES OF NITROGEN AND SULFUR.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE
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Health Hazard Data

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LD50-LC50 Mixture: LD 50 ORAL RAT IS UNKNOWN
Route Of Entry - Inhalation: NO
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: LOW HEALTH HAZARD. MAY CAUSE TRANSIENT EYE
IRRITATION.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT IS
LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: EYES: TRANSIENT EYE IRRITATION. SKIN/
INHALATION/INGESTION: LOW HEALTH HAZARD.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH SOAP AND
WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INHALATION: REMOVE VICTIM
TO FRESH AIR. IF SYMPTOMS PERSIST, SEE DOCTOR. INGESTION: DRINK 1-2 GLASSES
OF WATER. SEE DOCTOR.
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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SMALL SPILL: FLUSH TO SEWER WITH LARGE
AMOUNTS OF WATER. LARGE SPILL: ABSORB IN INERT MATERIAL AND PLACE IN
APPROPRIATE DISPOSAL CONTAINER.
Neutralizing Agent: NOT APPLICABLE
Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE
OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
MANUFACTURER RECOMMENDS INCINERATION.
Precautions-Handling/Storing: KEEP CONTAINERS TIGHTLY CLOSED AND AWAY FROM
ACIDS AND BASES.
Other Precautions: NONE.
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Control Measures

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Respiratory Protection: NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED
RESPIRATOR AS APPROPRIATE FOR EXPOSURE OF CONCERN.
Ventilation: MECHANICAL (GENERAL) VENTILATION OR LOCAL EXHAUST VENTILATION
TO KEEP EXPOSURE LEVELS BELOW PEL.
Protective Gloves: RUBBER GLOVES.
Eye Protection: CHEMICAL SAFETY GOGGLES.
Other Protective Equipment: PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY SHOWER.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Suppl. Safety & Health Data: NONE.
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Transportation Data

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Trans Data Review Date: 92240
DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Disposal Data

Label Data

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Label Required: YES
Technical Review Date: 27AUG92
Label Status: F

Common Name: 3000 FIXER AND REPLENISHER

Chronic Hazard: NO

Signal Word: CAUTION!

Acute Health Hazard-None: X

Contact Hazard-Slight: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: LOW HEALTH HAZARD. MAY CAUSE TRANSIENT EYE IRRITATION. IN CASE OF SPILL: SMALL SPILL: FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. LARGE SPILL: ABSORB IN INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. FIRST AID: EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH DRINK 1-2 GLASSES OF WATER. SEE DOCTOR.

Protect Eye: Y

Protect Skin: Y

Label Name: EASTMAN KODAK COMPANY

Label Street: 343 STATE STREET

Label City: ROCHESTER

Label State: NY

Label Zip Code: 14650

Label Country: US

Label Emergency Number: 716-722-5151