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EASTMAN KODAK CO. -- 180 5159 RP X-OMAT LO FIXER AND REPLENISHER, PART B -- 6525-01-080-8763

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

Product ID:180 5159 RP X-OMAT LO FIXER AND REPLENISHER, PART B
MSDS Date:11/29/1995
FSC:6525
NIIN:01-080-8763
Kit Part:Y
MSDS Number: CBSGF
=== Responsible Party ===
Company Name:EASTMAN KODAK CO.
Address:343 STATE STREET
City:ROCHESTER
State:NY
ZIP:14650
Country:US
Info
Phone Num:716-724-4501/PACK=JOHN 716-588-3559
Emergency Phone Num:716-722-5151(72)/FAX 716-724-9656
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

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

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 60-65% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:ACETIC ACID (CERCLA)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: 15-25% %
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ALUMINUM SULFATE
CAS:10043-01-3
RTECS #:BD1700000
Fraction by Wt: 5-10% %
Other REC Limits:NONE RECOM
MENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:D-GLUCONIC ACID
CAS:526-95-4
RTECS #:LZ5057100
Fraction by Wt: 1-5% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM ACETATE
CAS:127-09-3
RTECS #:AJ4300010
Fraction by Wt: 1-5% %
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT): NOT GIVEN
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Repo

rts of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:VAPOR IRRITATING IF INHALED. EYE CONTACT CAUSES BURNS. VAPOR IRRITATING TO EYES. SKIN CONTACT CAUSES IRRITATION. HARMFULIF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.
Effects of Overexposure:RESPIRATORY TRACT IRRITATION,
EYE IRRITATION,
EYE BURNS, SKIN IRRITATION, GI TRACT IRRITATION, GI TRACT BURNS.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMEEDIATELY WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH SOAP AND WATER . GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGES
TION: DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN OR POISON CONTROL ASAP

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:FIRE OR EXCE
SSIVE HEAT MAY PRODUCE
HAZARDOUS DECOMPOSTION PRODUCTS.

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

Spill Release Procedures:MAY REQUIRE NEUTRALIZATION. FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLE AN SURFACE TO REMOVE RESIDUAL CONTAMINATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and

Storage ==========

Handling and Storage Precautions:DO NOT GET IN EYES AND AVOID CONTACT WITH SKIN AND CLOTHING. AVOID BREATHING VAPOR. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR
MUST BE WORN. RESPIRATOR TYPE: ORGANIC VAPOR. IF RESPIRATORS ARE USED, A PROGR AM SHOULD BE INSTITUTED.
Ventilation:GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES
Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.
Work Hygienic Practices:WASH
HANDS THOROUGHLY WITH SOAP AND WATER
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.
Supplemental Safety and Health
REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

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

HCC:C1
Boiling Pt:B.P. Text:>212F,>100C
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:18
Vapor Density:0.6
Spec Gravity:1.16
pH:2.0
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQUID
, VINEGAR ODOR
Percent Volatiles by Volume:85%

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

Stability Indicator/Materials to Avoid:YES
BASES.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:SULFUR DIOXIDE, CARBON DIOXIDE, CARBON MONOXIDE.

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. MAY RE

QUIRE NEUTRALIZATION IF PH
< 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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