EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS -- 824 6381, WKG SOL, KODAK X-OMAT RA/30 FIXER AND REPLENISHER -- 6525-01-463-0469

Product ID:824 6381, WKG SOL, KODAK X-OMAT RA/30 FIXER AND REPLENISHER MSDS Date:10/26/2000 FSC:6525 NIIN:01-463-0469 Status Code:A MSDS Number: CLHGV === Responsible Party === Company Name: EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS Address:343 STATE ST **City:ROCHESTER** State:NY ZIP:14650-1115 Coun try:US Info Phone Num:716-722-5151/(800) 242-2424 Emergency Phone Num:716 722-5151 Preparer's Name:NOT PROVIDED 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

Ingred Name:WATER CAS:7732-18-5 RTECS #:ZC0110000 Minumum % Wt:85. Maxumum % Wt:90. Other REC Limits:NOT PROVIDED Code:F

Ingred Name:AMMONIUM THIOSULFATE CAS:7783-18-8 RTECS #:XN6465000 = Wt:10. Other REC Limits:NOT PROVIDED ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM BISULFITE CAS:7631-90-5 RTECS #:VZ2000000 &It; Wt:1. Other REC Limits:NOT PROVIDED ACGIH TLV:5 MG/M3 EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM BISULFITE CAS:10192-30-0 RTECS #:WT3595000 &It; Wt:1. Other REC Limits:NOT PROVIDED ACGIH TLV:NOT PROVIDED EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Na me:AMMONIUM ACETATE CAS:631-61-8 RTECS #:AF3675000 &It; Wt:1. Other REC Limits:NOT PROVIDED ACGIH TLV:NOT PROVIDED EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

LD50 LC50 Mixture:NOT PROVIDED Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: INHALATION: EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. IN CONTACT WITH STRO NG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR D IOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRAN SIENT IRRITATION. SKIN: THIS MATERIAL HAS A LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; HOWEVER, CASES OF HUMAN SKIN SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF SWALLOWED. Explanation of Carcino

genicity:CARCINOGENICITY CLASSIFICATION (COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NON E - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure: INHÁLATION: IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO

THE RESPIRATORY TRACT. EYES: MAY CAUSE TRANSIENT IRRITATION.

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Medical Cond Aggravated by Exposure:SOME ASTHMATICS, HYPERSENSITIVE OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING, WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES

ANY MATERIAL THAT CONTACTS THE EYE SHOULD BE WASHED OUT IMMEDIATELY WITH WATER. G ET MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION: DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Flash Point:NONE Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE. Fire Fighting

Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS. Unusual Fire/Explosion Hazard:SOLUTION CONTAINS A STRONG REDUCING AGENT. DRIED PRODUCT RESIDUE CAN ACT AS A REDUCING AGENT.
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Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN P
LACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL C ONTAMINATION. Neutralizing Agent:NOT PROVIDED
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 Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES (SEE INCOMPATIBILITY SECTION). KEEP FROM CONTACT WITH OXIDIZING MATERIALS. Other Precautions:AVOID BREATHING MIST OR VAPOR. AVOID CONTACT WITH EYES AND PROLONGED OR REPEATED CONTA CT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.
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Respiratory Protection:NONE SHOULD BE NEEDED. A RESPIRATOR SHOULD BE WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE LIKELY TO BE OR HAVE BEEN RELEASED. RESPIRATOR TYPE: ACID GAS. SEE STABILITY AND REACTIVITY SECTION. IF RESPI RATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134. Vent ilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER
HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.
Protective Gloves: IMPERVIOUS GLOVES SHOULD BE WORN. Eye Protection: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES). Other Protective Equipment: EYE BATH, WASHING FACILITIES, SAFETY SHOWER Work Hygienic Practices: IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE EYE CONTACT. Supplemental Safety and Health
ABBREVIATION: N/A = NOT APPLICABLE. N/AV

NOT AVAILABLE. N/K =
 UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT
 DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI
 = GASTROI NTESTINAL. SCBA = SELF CONTAINED BREATHING APPARATUS.

HCC:C3 NRC/State Lic Num:NOT RELEVANT Boiling Pt:>100.C, 212.F Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED Decomp Temp:Decomp Text:NOT PROVIDED Vapor Pres:68F: 24 MBAR (18 MM HG) Vapor Density:0.6 Spec Grav ity:1.08-1.10 pH:4.9 Viscosity:NOT PROVIDED Evaporation Rate & amp; Reference: NOT PROVIDED Solubility in Water:COMPLETE Appearance and Odor:COLORLESS LIQUID. ODOR: AMMONIA. Percent Volatiles by Volume:85-90 WT Corrosion Rate:NOT PROVIDED

Stability Indicator/Materials to Avoid:YES
BASES, SODIUM HYPOCHLORITE (BLEACH), STRONG OXIDIZING AGENTS, STRONG ACIDS.
Stability Condition to Avoid:NOT PROVIDED
Hazardous Decomposition Prod
ucts:AMMONIA, CHLORAMINE, SULFUR DIOXIDE, NITROGEN OXIDES (NOX).

Toxicological Information:EFFECTS OF EXPOSURE: INHALATION: EXPECTED TO BE A LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL. IN CONTACT WITH STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR D IOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUAL

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Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: >100.
DAPHNID EC50 MG/L: >100. ALGAL IC50 MG/L: >100. ORGANICS READILY DEGRAD ABLE (>70%): YES (7 DAYS). POTENTIAL BIOACCUMULATION: LOG POW 100.
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Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNT OF WATER.
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Transport Information:FOR TRANSPORTATIO N INFORMATION REGARDING THIS PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE: (716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD TIME), MONDAY THROUGH FR IDAY.
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SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: AMMONIUM THIOSULFA TE, AMMONI UM BISULFITE; AS SOURCES OF
AQUEOUS AMMONIA. Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: NONE - MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE WHMIS (CANADA) HAZARD CLASSIFICATION: D2/B
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