

EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS -- 199 7873,KODAK VERSA. 885 FIX. & REPL(REPL.SOL),(SEE SUPPL) -- 6750-01-353-4888

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

Product ID:199 7873,KODAK VERSA. 885 FIX. & REPL(REPL.SOL),(SEE SUPPL)

MSDS Date:02/24/2001

FSC:6750

NIIN:01-353-4888

Status Code:A

Kit Part:Y

MSDS Number: CLJZB

=== Responsible Party ===

Company Name:EASTMAN KODAK CO GOVERNMENT MARKETS
CONTRACTS

Address:343 STATE ST

City:ROCHESTER

State:NY

ZIP:14650-1115

Country:US

Info Phone Num:716-722-5151/(800) 242-2424

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:WATER

CAS:7732-18-5

RTECS #:ZC01100

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Minumum % Wt:80.

Maxumum % Wt:85.

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Minumum % Wt:10.

Maxumum % Wt:15.

Ingred Name:SODIUM ACETATE

CAS:127-09-3

RTECS #:AJ4300010

Minumum % Wt:1.

Maxumum % Wt:5.

Ingred Name:ACETIC ACID

CAS:64-19-7

RTECS #:AF1225000

Minumum % Wt:1.

; Wt:1.
ACGIH TLV:5 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM SULFITE
CAS:10196-04-0
< Wt:1.
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:IWARNING ! CAUSES EYE IRRITATION. MAY
BE HARMFUL IF SWALLOWED. INHALATION: LOW HAZARD FOR HANDLING BY
TRAINED
PERSONNEL. IN CONTACT WITH STRONG ACIDS OR IF HEATED,
SULFITES MAY LIBERATE SULFUR DIOXIDE GAS THAT IS IRRITATING TO
RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS
MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES IRRITATION. SKIN:
LOW HAZARD FOR USUAL INDUSTRIAL HANDLING BY TRAINED PERSONNEL. HAS
LOW POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; CASES OF HUMAN SKIN
SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF
SWALLOWED. SOME ASTHMAT
ICS OR SULFITE-SENSI TIVE INDIVIDUALS MAY
HAVE REACTIONS.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION (
COMPONENTS PRESENT AT 0.1% OR MORE.): IARC: SULFITES, (3);
BISULFITES (3); ACGIH: SODIUM BISULFITE: NOT CLASSIFIABLE AS A
HUMAN CARCINOGEN (A4); NTP: NONE; OSHA: NONE .

Effects of Overexposure:INHALATION: IRRITATION OF RESPIRATORY TRACT.
SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE
DIFFICULT BREATHING. EYES: IRRITATION. SKIN: MATERIAL
HAS LOW
POTENTIAL TO CAUSE ALLERGIC SKIN REACTIONS; CASES OF HUMAN SKIN
SENSITIZATION HAVE BEEN REPORTED. INGESTION: MAY BE HARMFUL IF
SWALLOWED.

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

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT
SYMPTOMATIC

ALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:
IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET
MEDICAL ATTENTION IF SYMPTOMS OCCUR. SKIN: WASH WITH SOAP AND
WATER. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR
THOROUGHLY CLEAN CONTAMINATED SHOES. 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.

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

Flash Point:NONE
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL,
ALCOHOL FOAM.
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.

===== Accidental Release Measures =====
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Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.
OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL,
THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE
THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED TO
PREVENT THE LOSS OF WATER. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.
KEEP FROM CONTACT WITH OX
IDIZING MATERIALS, HIGHLY OXYGENATED OR
HALOGENATED SOLVENTS, ORGANIC COMPOUNDS CONTAINING REDUCIBLE
FUNCTIONAL GROUPS.
Other Precautions:AVOID BREATHING MIST OR VAPOR AT CONCENTRATIONS
GREATER THAN THE EXPOSURE LIMITS. AVOID CONTACT WITH EYES AND
PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE
VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE SHOULD BE NEEDED. IF CONTROL

SDO NOT

MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, APPROVED RESPIRATOR MUST BE WORN. FULL-FACE ORGANIC VAPOR CARTRIDGE. RESPIRATOR SHOULD BE WORN IF HAZARDOUS DECOMPOSITION PRODUCTS MAY BE RELEASED. IF RESPIRATORS USED, INSTITUTE A PROGRAM TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134.

Ventilation:GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS.

Protecti

ve Gloves:WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

Other Protective Equipment:PROVIDE EYE BATH, WASHING FACILITIES, SAFETY SHOWER. USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LLIMITS.

Supplemental Safety and Health

THIS ENTRY DESCRIBES THE" REPLENISHER SOLUTION", MSDS SERIAL NUMBER

(CLJZB) IN THE "KODAK VERSAMAT 885 FIXER AND REPLENISHER KIT" A THREE PART KIT. SEE THIS SAME NSN, MSDS SERIAL NUMBER (CLKCK) FOR P ART A OF KIT AND MSDS SERIAL NUMBER (CLKCX) FOR PART B OF KIT.

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

HCC:C1

Boiling Pt:>100.C, 212.F

Vapor Pres:24MBAR (18 MM HG) @ 68F.

Vapor Density:0.6 (AIR=1

Spec Gravity:1.102-1.122 (H2O=1)

pH:4.5-4.7

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID. ODOR: VINEGAR.

Perce

nt Volatiles by Volume:80-85 WT

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS, BASES, SODIUM HYPOCHLORITE (BLEACH), COMBUSTIBLE MATERIAL, HALOGENATED MATERIALS.

Stability Condition to Avoid:STABLE.

Hazardous Decomposition Products:AMMONIA, SULFUR DIOXIDE, CHLORAMINE.

CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Tox

icological Information =====

Toxicological Information:SEE HEALTH HAZARDS.

===== Ecological Information =====

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS OF THE PREPARATIONS. POTENTIAL TOXICITY:FISH LC50: >100 MG/L; DAPHNID EC50: >100 MG/L; ALGAL IC50: 10 -100 MG/L. ORGANICS READILY DEGRADABLE (>7%): YES (7DAYS); POTENTIAL BIOACCUMULATION: LOG POW 100 MG/L.

===== Disposal Considerations
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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 AMOUNTS OF WATER. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS E VEN AFTER CONTAINER IS EMPTIED.

===== MSDS Transport Information =====

Transport Information:FOR TRANSPORTATION 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 FRIDAY.

===== Regulatory Information =====

SARA Title III Information:CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE I I I OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: NONE.

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.BE

===== Other Information =====

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