

EASTMAN KODAK CO. -- 199 7873 VERSAMAT 885 FIXER & REPLENISHER, -- 6750-00-165-7187  
===== Product Identification =====

Product ID:199 7873 VERSAMAT 885 FIXER & REPLENISHER,  
MSDS Date:10/03/1991  
FSC:6750  
NIIN:00-165-7187  
Kit Part:Y  
MSDS Number: BNPZP  
=== Responsible Party ===  
Company Name:EASTMAN KODAK CO.  
Address:343 STATE STREET  
City:ROCHESTER  
State:NY  
ZIP:14650  
Country:US  
Info Phone Num:716-722-5151  
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%  
Other REC Limits:NONE ESTABLISHED  
  
Ingred Name:SODIUM BISULFITE (SASA III)  
CAS

:7631-90-5  
RTECS #:VZ2000000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM ACETATE  
CAS:126-96-5  
RTECS #:AJ4375000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE ESTABLISHED  
OSHA PEL:NONE ESTABLISHED  
ACGIH TLV:NONE ESTABLISHED

Ingred Name:ACETIC ACID (SARA III)  
CAS:64-19-7  
RTECS #:AF1225000  
Fraction by Wt: 1-5%  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5  
000 LBS

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 35-45%

Ingred Name:SODIUM TETRABORATE, DECAHYDRATE  
CAS:1303-96-4  
RTECS #:VZ2275000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG/M3  
ACGIH TLV:5 MG/M3; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALED: LOW HAZARD FOR RECOMMEN

DED

HANDLING. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION. SKIN:LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE LOW INGESTED HAZARD.

Explanation of Carcinogenicity:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

Effects of Overexposure:INHALED: LOW HAZARD FOR RECOMMENDED HANDLING.

EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE TRANSIENT IRRITATION.

SKIN:LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE LOW INGESTED HAZARD.

Medical Cond

Aggravated by Exposure:SUPPLIER DID NOT ADDRESS THIS FIELD.

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

First Aid:INHALED: REMOVE TO FRESH AIR. EYES:IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION. SKIN:WASH AFTER EACH CONTACT. INGESTION:IF SWALLOWED, GIVE 1-2 GLASSES OF WATER. SEEK MED ATTENTION.

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

Flash Point:NON-FLAMMABLE

Extinguishing Media:

EXTINGUISH WITH AGENT SUITABLE FOR SURROUNDING FIRE

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:FLUSH MATERIAL TO SEWER WITH LARGE AMOUNTS OF WATER.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY SUPPLIER

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AND AWAY FROM ACIDS OR BASES.

Other Precautions:NONE

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

Respiratory Protection:RESPIRATORY PROTECTION MAY BE NEEDED IN SPECIAL CIRCUMSTANCES.

Ventilation:GOOD VENTILATION ( 10 ROOM VOL PER HOUR IS CONSIDERED GOOD GENERAL VENTILATION). SUPPLEMENTAL VENTILATION MAY BE NEEDED.

Protective Gloves:IMPERVIOUS

Eye Protect

ion:SAFETY GLASSES (WITH SIDE SHIELDS)  
Other Protective Equipment:IF PROLONGED OR REPEATED CONTACT IS  
NECESSARY, IMPERVIOUS GLOVES OR OTHER PROTECTION MAY BE REQUIRED.  
Work Hygienic Practices:SUPPLIER DID NOT ADDRESS THIS FIELD.  
Supplemental Safety and Health  
EXPECTED TO HAVE MODERATE BOD. EXPECTED TO HAVE MODERATE POTENTIAL TO  
AFFECT AQUATIC ORGANISMS AND WASTE TREATMENT MICROORGANISMS. WHEN  
DILUTED WITH A LARGE QUANTITY OF WATER, THIS PRODUCT IS NOT EXPE  
CTED TO CAUSE AN ADVERS  
E ENVIRONMENTAL EFFECT.

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

HCC:N1  
Boiling Pt:B.P. Text:>212F/>100C  
Vapor Pres:18 MM  
Vapor Density:0.6  
Spec Gravity:1.33  
pH:5.3  
Solubility in Water:COMPLETE  
Appearance and Odor:COLORLESS SOLUTION; VINEGAR ODOR  
Percent Volatiles by Volume:43

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS & STRONG BASES  
Stability Condition to Avoid:SUPPLIER DID NOT ADDRE  
SS THIS FIELD.  
Hazardous Decomposition Products:THERMAL DECOMPOSITION MAY PRODUCE  
AMMONIA AND OXIDES OF SULFUR AND NITROGEN.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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