EASTMAN KODAK CO. -- 186 2804 VERSAMAT FIXER & REPLENISHER, TYPE -- 6750-00-965-4580

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

Product ID:186 2804 VERSAMAT FIXER & REPLENISHER, TYPE
MSDS Date:10/03/1991
FSC:6750
NIIN:00-965-4580
MSDS Number: BNRRT
=== 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
Eme
rgency 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:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fr

action by Wt: 35-45%

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:5000 LBS

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 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:NO Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: NO SPECIFIC HAZARD. MAY CAUSE
TRA

NSIENT IRRITATION. SKIN: LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE LOW INGESTION HAZARD. INHALATION: LOW HAZARD FOR RECOMMENDED HANDLING.
Explanation of Carcinogenicity:NO INFORMATION GIVEN ON MSDS BY SUPPLIER
Effects of Overexposure:EYES: NO SPECIFIC HAZARD. MAY CAUSE TRANSIENT IRRITATION. SKIN: LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE LOW INGESTION HAZARD. INHALATION: LOW HAZARD FOR RECOMMENDED HANDLING.
Medical Cond Aggravated b
y Exposure:SUPPLIER DID NOT ADDRESS THIS FIELD.

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

First Aid:INHALED: IF SYMPTOMATIC, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER. SKIN:WASH AAFTER 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

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AND AWAY FROM MINERAL ACIDS AND ALKALIS.
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:IMPERV

IOUS
Eye Protection:SAFETY GLASSES
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 LOW POTENTIAL TO AFFECT AQUATIC ORGANISMS AND WASTE TREATMENT MICROORGANISMS. IF DILUTED BY A LARGE QUANTITY OF WATER, THIS MATERIAL INNOT EXPECTED TO H AV A SIGNIFICANT ENVIRONMEN
TAL IMPACT.

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

HCC:N1
Boiling Pt:B.P. Text:>212F/>100C
Vapor Pres:17 MM
Vapor Density:0.6
Spec Gravity:1.33
pH:5.3
Solubility in Water:COMPLETE
Appearance and Odor:CLEAR, COLORLESS SOLUTION; VINEGAR ODOR
Percent Volatiles by Volume:45
Corrosion Rate:UNKNOWNN

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

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS & STRONG ALKALI
Stability Condition to Avoid:SU
PPLIER DID NOT ADDRESS 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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