

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

Emer

gency 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

Fra

ction 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
TRAN

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 by
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 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 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:IMPERVIOUS

OUS
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 ENVIRONMENT
AL 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:SUP
PLIER 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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elem

ents of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.