

EASTMAN KODAK COMPANY -- 196 5623 BLEACH REPLENISHER, PROCESS E-6AR, WORKING SOLUTION -- 6750-01-033-5151

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

Product ID:196 5623 BLEACH REPLENISHER, PROCESS E-6AR, WORKING SOLUTION

MSDS Date:11/19/1997

FSC:6750

NIIN:01-033-5151

MSDS Number: BTTTK

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

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Country:US

Info Phone Num:716-477-3194 MSDS :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

Company Name:EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES

Address:800 LEE RD

Box:City:ROCHESTER

State:NY

ZIP:14650-3129

Country:US

Phone:800-828-6203

CAGE:5K871

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Composition/Information on Ingredients =====

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 75-80%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:FERRIC AMMONIUM ETHYLENEDIAMINETETRAACETIC ACID  
CAS:21265-50-9  
Fraction by Wt: 10-15%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM BROMIDE  
CAS:12124-97-9  
RTECS #:BO9170000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:POTASSIUM NITRATE  
CAS:7757-79-1  
RTECS #:TT3700000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROGEN BROMIDE  
CAS:10035-10-6  
RTECS #:MW3850000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 3 PPM  
ACGIH TLV:C 3 PPM; 9394

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

LD50 LC50 Mixture:ORAL LD50 (RAT): NOT GIVEN  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EXPECTED TO BE A LOW INHALATION HAZARD  
FOR RECOM

MENDED HANDLING. MAY CAUSE TRANSIENT EYE IRRITATION. LOW SKIN CONTACT HAZARD FOR RECOMMENDED HANDLING. EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:EYE IRRITATION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN

HALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMMEDIATELY WITH WATER. GET 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.

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

Flash Point:NONFLAMMABLE

Lower Limits:NOT GIVEN

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Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, 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:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:FLUSH TO SEWER IF ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, A

BSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE TO REMOVE RESIDUA L CONTAMINATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID PROLONGED OR REPEATED BREATHING OF MIST OR VAPOR. AVOID CONTACT WITH EYES AND PROLONGED OR REPEATED CONTACT WITH SKIN.

Other Precautions:USE WITH ADEQUATE VENTILATION. KEEP CO

CONTAINER TIGHTLY

CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES.

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

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventilation:GOOD GENERAL VENTILATION, TYPICALLY 10 AIR CHANGES PER HOUR, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT CLOTHING AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. THIS ENTRY FOR WORKING SOLUTION.

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

HCC:C1

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:>212F,>100C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:18

Vapor Density:0.

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Spec Gravity:1.19

pH:5.8

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:COMPLETE

Appearance and Odor:RED LIQUID, SLIGHT AMMONIA ODOR

Percent Volatiles by Volume:75-80%

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

Stability Indicator/Materials to Avoid:YES

BASES, SODIUM HYPOCHLORITE (BLEACH), STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE, OXIDES O

F NITROGEN, HYDROGEN BROMIDE, AMMONIA, CHLORAMINE.

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE OR LOCAL LAWS. MAY REQUIRE NEUTRALIZATION IF PH < 2.0 OR PH > 12.5. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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