

EASTMAN KODAK CO -- 139 7231 KODAK INDUSTREX FIXER AND REPLENISHER 75 LITRES --  
6525-01-063-9559

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

Product ID:139 7231 KODAK INDUSTREX FIXER AND REPLENISHER 75 LITRES

MSDS Date:05/12/1993

FSC:6525

NIIN:01-063-9559

Kit Part:Y

MSDS Number: BVTMJ

=== Responsible Party ===

Company Name:EASTMAN KODAK CO

Address:343 STATE ST

City:ROCHESTER

State:NY

ZIP:14650-1115

Country

:US

Info Phone Num:716-724-6481/716-722-5151

Emergency Phone Num:716-722-5151/716-724-4501

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: 45-50%

Ingred Name:WATER

CAS:773

2-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 35-40%

Ingred Name:SODIUM ACETATE, ANHYDROUS  
CAS:126-96-5  
RTECS #:AJ4375000  
Fraction by Wt: 1-5%

Ingred Name:AMMONIUM BISULFITE  
CAS:10192-30-0  
RTECS #:WT3595000  
Fraction by Wt: 1-5%  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:BORIC ACID, DISODIUM SALT, PENTAHYDRATE  
CAS:12179-04-3  
Fraction by Wt: 1-5%

Ingred Name:AMMONIUM ACETATE  
CAS:631-61-8  
RTECS #:AF3675000  
Fraction by Wt: 1-5%  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM  
BISULFITE  
CAS:7631-90-5  
RTECS #:VZ2000000  
Fraction by Wt: 1-5%  
ACGIH TLV:5 MG/CUM  
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:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: EXPECTED TO BE A LOW  
HAZARD FOR RECOMMENDED HANDLING. EYES: MAY CAUSE TRANSIENT  
IRRITATION. SKIN: LOW HAZARD FOR RECOMMENDED HANDLING. INGESTI

ON:

EXPECTED TO BE A LOW HAZARD.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:INHALATION: EXPECTED TO BE A LOW HAZARD FOR RECOMMENDED HANDLING. EYES: MAY CAUSE TRANSIENT IRRITATION. SKIN: LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: EXPECTED TO BE A LOW HAZARD.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. EYES: FLUSH IMMEDIATELY W/WATER. SKIN: WASH W/SOAP & WATER. INGESTION: DRINK 1-2 GLASSES OF WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Flash Point:NONE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE

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

Unusual Fire/Explosion Hazard:CONTACT W/BASES LIBERATES FLAMMABLE MATERIAL.

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

Spill Release Procedures:FLUSH TO SEWER W/LARGE AMOUNTS OF WATER. MAY REQUIRE NEUTRALIZATION IF PH 12. ABSORB W/VERMICULITE/OTHER INERT MATERIAL & 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. USE W/ADEQUATE VENTILATION.

Other Precautions:KEEP FROM CONTACT W/OXIDIZING MATERIALS. PREVENT EYE CONTACT, MINIMIZE SKIN CONTACT/INHALATION. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NONE SHOULD BE NEEDED

Ventilation:GOOD GENERAL W/10 AIR CHANGES PER HOUR.

Protective Gloves:IMPERVIOUS

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS, GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

PRODUCT HAS A HIGH BIOCHEMICAL OXYGEN & A POTENTIAL

TO CAUSE OXYGEN

DEPLETION IN AQUEOUS SYSTEMS, MODERATE POTENTIAL TO AFFECT THE GENERATION & EARLY GROWTH OF PLANTS, LOW POTENTIAL TO AFFECT AQUEOUS ORGANISMS, SECONDARY WASTE TREATMENT MICROBIAL METABOLISM & TO BIOCONCENTRATE.

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

Boiling Pt:B.P. Text:>212F

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.333

pH:4

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT YELLOW GREEN LIQUID W/SLIGHT AMMONIA ODOR  
Perce

nt Volatiles by Volume:45/WT

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

Stability Indicator/Materials to Avoid:YES

BASES, SODIUM HYPOCHLORITE, BLEACH, OXIDIZING MATERIALS.

Hazardous Decomposition Products:SULFUR DIOXIDE, AMMONIA, CHLORAMINE

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

Waste Disposal Methods:FLUSH TO SEWER W/LARGE AMOUNTS OF WATER  
IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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piling agencies):

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