

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: D
RINK
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 REMOV E 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/INHALATI
ON. 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.

Disclaimer (provided with this information by the com
piling agencies):

This information is formulated for use by elements 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.