

EASTMAN KODAK COMPANY -- KODAK RAPID FIXER CAT#: 186 6342, WORKING SOLUTION (PAPER) -- 6750-01-360-5173

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

Product ID:KODAK RAPID FIXER CAT#: 186 6342, WORKING SOLUTION (PAPER)

MSDS Date:11/08/1995

FSC:6750

NIIN:01-360-5173

Kit Part:Y

MSDS Number: BTTWH

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

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

===== Composition/Information on Ingredients =====

I

ngred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 90-95% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM THIOSULFATE
CAS:7783-18-8
RTECS #:XN6465000
Fraction by Wt: 5-10% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM ACETATE
CAS:126-96-5
RTECS #:AJ4375000
Fraction by Wt: 1-5% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:BORIC ACID
CAS:10043-35-3
RTECS #:ED4550000
Fraction by Wt: < 1%
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM SULFITE (SARA III
)
CAS:10196-04-0
Fraction by Wt: < 1%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ACETIC ACID (SARA III)
CAS:64-19-7
RTECS #:AF1225000
Fraction by Wt: < 1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9394
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT GIVEN FOR WORKING SOLUTION
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO
R

ports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EXPECTED TO BE A LOW INHALATION HAZARD
FOR RECOMMENDED 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 A
ggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL
ATTENTION IF SYMPTOMS PERSIST. EYES: WASH OUT IMEEDIATELY 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 UNC
ONSCIOUS PERSON.

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

Flash Point:NONFLAMMABLE
Lower Limits:NOT GIVEN
Upper Limits:NOT GIVEN
Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE
HAZARDOUS DECOMPOSTION PRODUCTS.

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

Spill Release
Procedures:MAY REQUIRE NEUTRALIZATION. FLUSH TO SEWER IF
ALLOWABLE WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH
VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR
CHEMICAL WASTE. CLE AN SURFACE TO REMOVE RESIDUAL CONTAMINATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. WASH
THOROUGHLY AFTER HANDLING. KEEP FROM

CONTACT WITH OXIDIZING
MATERIALS. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS.

===== 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 CLO
THING 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.

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

HCC:C3
Boiling Pt:B.P. Text:>212F,>100C
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:18
Vapor Density:0.6
Spec Gravity:1.04
pH:4.4
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:COMPLETE
Appearance and Odor:COLORLESS LIQUID, SLIGHT SULFUR DIOXIDE ODOR
Percent Volatiles by Volume:90-95%

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

Stability Indicator/Materials to Avoid:YES
BASES, SODIUM HYPOCHLORITE (BLEACH), STRONG OXIDIZING AGENTS, STRONG
ACIDS.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:AMMONIA, NITROGE

N OXIDES, SULFUR
DIOXIDE, 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 L OCAL REGULATIONS.

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