

EASTMAN KODAK COMPANY -- 146 4114;RAPID FIXER;PT.A;KAN427810 -- 6750-00-528-0473

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

Product ID:146 4114;RAPID FIXER;PT.A;KAN427810

MSDS Date:01/27/1994

FSC:6750

NIIN:00-528-0473

Kit Part:Y

MSDS Number: BWRKF

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-722-5151

E

mergency 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:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 40-45%

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Fraction by Wt: 40-45%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM ACETATE  
CAS:127-09-3  
RTECS #:AJ4300010  
Fraction by Wt: 5-10%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:BORIC ACID  
CAS:10043-35-3  
RTECS #:ED4550000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG BORATES/M3  
ACGIH TLV:5 MG BORATES/M3

Ingred Name:AMMONIUM SULFITE (SARA III)  
CAS:10196-04-0  
Fraction by Wt: 1-5%  
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: 1-5%  
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:LD50 FOR THIS PRODUCT IS >2540MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:L

OW

HAZARD FOR EXPECTED HANDLING.INGEST:EXPECTED TO BE A LOW  
HAZARD.INHAL:EXPECTED TO BE A LOW HAZARD.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:EYES:TRANSCIENT IRRITATION.

Medical Cond Aggravated by Exposure:NOT REPORTED.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND  
WATER.GET MEDICAL ATTE  
NTION.EYES:FLUSH WITH WATER FOR 15  
MINUTES.GET MEDICAL ATTENTION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN  
OR ARTIFICIAL RESPIRAT ION IF NEEDED.INGEST:DO NOT INDUCE  
VOMITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE  
1-2 GLASSES OF WATER.

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

Flash Point:NONE

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROT  
ECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC  
FUMES.CONTACT WITH BASE LIBERATES A FLAMMABLE MATERIAL.

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

Spill Release Procedures:SOAK UP WITH NON-COMBUSTIBLE INERT  
ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIEL IN AN APPROPRIATE  
CONTAINER FOR DISPOSAL;CLEAN SPILL AREA TO REMOVE  
SLIPPERINESS.SMALL SPILLS-NEUTRALIZE TO PH 3-12;FLUSH TO SEWER  
WITH PLENTY OF WATER.

Neutralizing Ag  
ent:SODIUM BICARBONATE,SLAKED LIME.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION.KEEP  
CONTAINERS CLOSED.AVOID CONTACT WITH OXIDIZING AGENTS.

Other Precautions:FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID  
SKIN AND EYE CONTACT.

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

Respiratory Protection:NOT NEEDED IN NORMAL SERVICE.

Ventilation:USE GENERAL DILUTION VENTILATION.MF

R RECOMMENDS 10 AIR  
CHANGES/HOUR.

Protective Gloves:IMPERVIOUS

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A  
LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET  
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK  
AREA.

Supplemental Safety and Health

KEY1;C3.REFER TO PNIND-B(PT.B);PNIND-W(WORKING SOLUTION FOR  
FILM);PNIND-X(WORKING SOLUTION FOR PAPER)

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

HCC:C3

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

Vapor Pres:18

Vapor Density:0.6

Spec Gravity:1.32

pH:5.0

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID;LIGHT YELLOW;SULFUR DIOXIDE/ACETIC ACID  
ODOR.

Percent Volatiles by Volume:40-45

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

Stability Indicator/Materials to Avoid:YES

BASE,STRONG OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFAC  
TURER.

Hazardous Decomposition Products:CARBON DIOXIDE,CARBON  
MONOXIDE,AMMONIA,OXIDES OF NITROGEN,SULFUR DIOXIDE,CHLORAMINE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND  
LOCAL REGULATIONS.

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