

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

Emergency Phone Num:716-722-5151

CAGE:19139

=== Contractor Identi

fication ===

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:LOW
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 ATTENTION.EYES:FLUSH WITH WATER FOR 15
MINUTES.GET MEDICAL ATTEN

TION.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN
OR ARTIFICIAL RESPIRATION 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 PROTECTIVE 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 Agent: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.MFR 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).

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

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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 MANUFACTURER.
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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