

EASTMAN KODAK COMPANY -- 146 4114, KODAK RAPID FIXER, PART B -- 6750-00-528-0473

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

Product ID:146 4114, KODAK RAPID FIXER, PART B

MSDS Date:11/08/1995

FSC:6750

NIIN:00-528-0473

Kit Part:Y

MSDS Number: BFCYR

=== 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

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== 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 =====

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC01100

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Fraction by Wt: 70-75%

Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM SULFATE

CAS:10043-01-3

RTECS #:BD1700000

Fraction by Wt: 15-20%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3; 9596

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 10-15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3/3 STEL; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT): 0.5-5.0 G/KG

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-EXPECTED TO BE A LOW

INHALATION HAZARD FOR RECOMMENDED HANDLING. EYE-CAUSES IRRITATION.

SKIN-CAUSES IRRITATION. INGESTION-HARMFUL IF SWALLOWED. MAY CAUSE

BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

Explanation of Carc

inogenicity:IARC HAS DETERMINED THAT OCCUPATIONAL

EXPOSURE TO STRONG ACIDS MAY BE CARCINOGENIC TO HUMANS.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated 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: IMMEDIATELY FLUSH WITH WATER

FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIA

TELY REMOVE

CONTAMINATE D CLOTHING AND WASH WITH SOAP AND WATER.GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. SEKK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

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

Flash Point:NONFLAMMABLE

Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCE
SSIVE HEAT MAY PRODUCE HAZARDOUS
DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NONE.

===== 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:KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM INCOMPATIBLES.

Other Precautions:DO NOT BREATHE MIST OR VAPOR. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:NONE SHOULD BE NEEDED.

Ventilation:GOOD GENERAL VENTILATION, TYPICALLY 10 A
IR CHANGES PER

HOURLY, SHOULD BE USED. RATES SHOULD MATCH CONDITIONS.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER.
WEAR PROTECTIVE CLOTHING APPROPRIATE FOR THE RISK OF EXPOSURE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

KEY1;C1.REFER TO PNIND-D(PT.A);PNIND-W(WORKING SOLUTION FOR FILM);PNIND-X(WORKING SOLUTION FOR PAPER)

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

HCC:C1

Boiling Pt:>100.C, 212.F

Vapor Pres:18 MMHG

Vapor Density:0.6

Spec Gravity:1.30

pH:1.0

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID, SLIGHT SULFUR DIOXIDE ODOR

Percent Volatiles by Volume:70-75%

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

Stability Indicator/Materials to Avoid:YES

BASES

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition

Products:SULFUR DIOXIDE

===== 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. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

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