

EASTMAN KODAK COMPANY -- KODAK RAPID FIXER, CAT# 146 4114, TO MAKE 5 GAL, PART B --
6525-00-935-4105

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

Product ID:KODAK RAPID FIXER, CAT# 146 4114, TO MAKE 5 GAL, PART B

MSDS Date:11/08/1995

FSC:6525

NIIN:00-935-4105

MSDS Number: CBSCT

=== 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 =====

Ingred Name:WATER

CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 70-75% %
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM SULFATE (SARA III)
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; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SULFURIC ACID (SARA III)
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; 9192
EPA Rpt Qty:1000 LBS
DO
T Rpt Qty:1000 LBS

===== 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:EXPECTED TO BE A LOW INHALATION HAZARD
FOR RECOMMENDED HANDLING. CAUSES EYE IRRITATION. CAUSES SKIN
IRRITATION. HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE
GASTROINTESTINAL TRACT IF SWALLOWED.
Explanation of
Carcinogenicity:IARC HAS DETERMINED THAT OCCUPATIONAL
EXPOSURE TO STRONG ACIDS MAY BE CARCINOGENIC TO HUMANS.
Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION, GI TRACT
IRRITATION, GASTROINTESTINAL BURNS.
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: IMMEDIATELY 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
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 A
N SURFACE TO REMOVE RESIDUAL CONTAMINATION.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT BREATHE MIST OR VAPOR. AVOID
CONTACT WITH EYES, SKIN AND CLOTHING. USE WITH ADEQUATE
VENTILATION. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions:KEEP AWAY FROM INCOMPATIBLE MATERIALS. WASH
CONTAMINATED CLOTHING AFTER USE. DESTROY OR THOROUGHLY CLEAN
CONTAMINATED SHOES.

===== 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 CLOTHING 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. KEEP AWAY FROM
CHILDREN.

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

HCC:C1
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:1.30
pH:1.0
Evaporation Rate & Reference:NOT GIVEN
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. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL REGULATIONS.

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