

EASTMAN KODAK COMPANY -- 146 4239,LIQUID HARDENER -- 6750-00-153-8922

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Product Identification  
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Product ID:146 4239,LIQUID HARDENER

MSDS Date:08/01/1984

FSC:6750

NIIN:00-153-8922

MSDS Number: BDCXR

=== 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

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AGE: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

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Composition/Information on Ingredients  
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Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 60-70%

Ingred Name:POTASSIUM ACETATE

CAS:127-08-2

RTECS #:AJ3325000

Fraction by Wt: 10-20%

Ingred Name:ALUMINUM SULFATE (SARA III)

CAS:10

043-01-3  
RTECS #:BD1700000  
Fraction by Wt: 5-10%  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192  
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: 5-10%  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM BISULFITE (SASA III)  
CAS:7631-90-5  
RTECS #:VZ2000000  
Fraction by Wt: 5-10%  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION TO EYES.  
Effects of Overexposure:INHALATION:NONE STATED BY THE MANUFACTURER;  
EYES/SKIN: LIQUID CONTACT MAY CAUSE IRRITATION; INGESTION:NOT KNOWN  
TO KODAK.  
Medical Cond Aggravated by Exposure:NOT STATED BY KODAK

===== First Aid Measures =====  
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First Aid:INHALATION:IF INHALED, REMOVE TO FRESH AIR;  
EYES/SKIN:IMMEDIATELY FLUSH WITH PLENTY OF WATER. GET MEDICAL  
ATTENTION IF ANY SYMPTOMS ARE PRESENT AFTER WASHING; INGESTION:CALL  
A PHYSICIAN.

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

Flash Point:NONE  
Extinguishing Media:USE AGENT SUITABLE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AN

D EYES.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE  
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCT.

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

Spill Release Procedures:STOP LEAK WITHOUT RISK. FLUSH TO SEWER WITH  
PLENTY OF WATER. FEDERAL, STATE AND LOCAL EFFLUENT LAWS TAKE  
PRECEDENCE.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED, LOW  
FIRE RISK ARE

A. PROTECT FROM PHYSICAL DAMAGE. AVOID UNNECESSARY  
PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED

Other Precautions:MAINTAIN STANDARD HYGIENE (REMOVE & WASH CONTAMINATED  
CLOTHING).

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

Respiratory Protection:NO SPECIAL REQUIREMENTS.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE USED.

Protective Gloves:PROTECTIVE/IMPERVIOUS

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD.

Other Protective Equipment:NO SPECIAL REQUIREMENTS

Supplemental Safety and Health

SOLUTION NUMBER:2811

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

HCC:C1

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

Vapor Pres:18MMHG@20C

Vapor Density:0.6

Spec Gravity:1.18

pH:4.5

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS SOLUTION;VINEGAR ODOR

Percent Volatiles by Volume:80.0%

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

Stability Indicator/Materials to Avoid:YES

NONE

Hazardous Decomposition Products

:COMBUSTION WILL PRODUCE OXIDES OF  
CARBON AND SULFUR.

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

Waste Disposal Methods:FLUSH TO SEWER WITH PLENTY OF WATER. FEDERAL,  
STATE AND LOCAL EFFLUENT LAWS TAKE PRECEDENCE.

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