

EASTMAN KODAK COMPANY -- 146 3975 KODAK LINAGRAPH FIXER -- 6750-00-619-9945  
===== Product Identification =====

Product ID:146 3975 KODAK LINAGRAPH FIXER

MSDS Date:11/01/1995

FSC:6750

NIIN:00-619-9945

MSDS Number: BMGXQ

=== 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:71

6-722-5151

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:SODIUM THIOS

ULFATE  
CAS:7772-98-7  
RTECS #:XN6476000  
Fraction by Wt: 70-75%  
Other REC Limits:NONE SPECIFIED

Ingred Name:AMMONIUM ALUM  
CAS:7784-25-0  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM METABISULFITE  
CAS:7681-57-4  
RTECS #:UX8225000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:5 MG/M3  
ACGIH TLV:5 MG/M3; 9192

Ingred Name:SODIUM ACETATE  
CAS:126-96-5  
RTECS #:AJ4375000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:BORON OXIDE  
CAS:1303-86  
-2  
RTECS #:ED7900000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3; 9293

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION-CAUSES IRRITATION TO THE  
MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. IN CONTACT WITH  
STRONG ACIDS OR IF HEATED, SULFITES MAY LIBERATE SULFUR D

IOXIDE

GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. EYES-CAUSES IRRITATION. SKIN-MAY CAUSE IRRITATION. INGESTION-EXPECTED TO BE A LOW HAZARD.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:SKIN-PROLONGED OR REPEATED CONTACT MAY CAUSE DRYING OR CRACKING. INGESTION-SOME ASTHMATICS OR SULFITE SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST TIGHTNESS, ST

OMACH

UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

Medical Cond Aggravated by Exposure:SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULTY BREATHING.

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First Aid Measures  
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First Aid:INHALATION-IF SYMPTOMATIC, MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF SYMPTOMS PERSISTS. EYES-ANY MATERIAL THAT CONTACTS THE EYES SHOULD BE WASHED OUT IMMEDIATELY WITH WATER. GET MEDICAL ATTENTION IF SYMPTOMS PERSISTS. SKIN -WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. INGESTION-DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS.

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Fire Fighting Measures  
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Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL. Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS. Unusual Fire/ Explosion Hazard:POWDERED MATERIAL MAY FOR EXPLOSIVE DUST-AIR MIXTURES. REDUCING AGENT. GREATLY INCREASES THE BURNING RATE OF COMBUSTIBLE MATERIALS.

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Accidental Release Measures  
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Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. OTHERWISE, SWEEP UP AND PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION. Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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== Handling and Storage =====

Handling and Storage Precautions:KEEP AWAY FROM INCOMPATIBLES. KEEP CONTAINERS TIGHTLY CLOSED. STORE IN ORIGINAL CONTAINER. DO NOT STORE OR SHIP WITH COMBUSTIBLE MATERIALS.

Other Precautions:AVOID BREATHING DUST. AVOID CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:

IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: DUST. IF RESPIRATORS ARE USED, A PROGRAM MUST BE IN COMPLIANCE WITH OSHA 29 CFR 1910.134

GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES/HR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITION

IMPERVIOUS GLOVES SHOULD BE WORN.

SAFETY GLASSES WITH SIDE SHIELDS/GOGGLES

IT IS A GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE SKIN CONTACT. EYE BATH, WASHING FACILITIES, SAFETY SHOWER.

WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NOT REGULATED FOR TRANSPORTATION PER KODAK. FROM GLENN WILLIAMS EASTMAN KODAK, 2400 MT. READ BOULEVARD, ROCHESTER, N.Y. 716-722-2400(PHONE).

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

HCC:N1

Vapor Pres:NEGLIGIBLE

Spec Gravity:> 1

Solubility in Water:COMPLETE

Appearance and Odor:SOLID, WHITE, ODORLESS.

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, BASES, SODIUM HYPOCHLORITE, COMBUSTIBLE MATERIALS, HALOGENATED MATERIALS.

Stability Condition to Avoid:STABLE.

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

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

Waste Disposal Methods: DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO LOCAL, STATE OR FEDERAL REGULATIONS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

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