

EASTMAN KODAK COMPANY -- 197 1746 KODAK FIXER, CONCENTRATE -- 6750-00-964-9017

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

Product ID:197 1746 KODAK FIXER, CONCENTRATE

MSDS Date:11/08/1995

FSC:6750

NIIN:00-964-9017

MSDS Number: CBSDD

==== 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- 242-2

424

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:SODIUM THIOSULFATE
CAS:7772-98-7
RTECS #:XN6476000
Fraction by Wt: 70-75%
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM ALUM, DODECAHYDRATE
CAS:7784-25-0
Fraction by Wt: 10-15%
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:SODIUM METABISULFITE
CAS:7681-57-4
RTECS #:UX8225000
Fraction by Wt: 5-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5
MG/M3; 9596

Ingred Name:BORON OXIDE
CAS:1303-86-2
RTECS #:ED7900000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9596

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: EXPECTED TO BE LOW HAZARD
FOR RECOMMENDED HANDLING. EYES: NO SPECIFIC HAZARD KNOWN. MAY CAUSE

TRANSIENT IRRITATION. SKIN: LOW HAZARD FOR RECOMMENDED HANDLING.

INGESTION: EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity: NO INGREDIENT OF A CONCENTRATION OF 0.1%

OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure: INGESTION-SOME ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

Medical Cond Aggravated by Exposure: SOME ASTHMATICS

OR HYPERSENSITIVE

INDIVDUALS MAY EXPERIENCE DIFFICULTY BREATHING.

===== First Aid Measures =====

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

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

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 FORM EXPLOSIVE DUST-AIR MIXTURE. REDUCING AGENT. GREATLY INCREASES

THE BURNING

RATE OF COMBUSTIBLE MATERIALS.

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

Spill Release Procedures: FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

OTHERWISE, SWEEP UP AND PLACE IN A CONTAINER FOR CHEMICAL WASTE. COLLECT IN A NONCOMBUSTIBLE CONTAINER FOR PROMPT DISPOSAL. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM INCOMPATIBLE SUBSTANCES. DO NOT STORE OR SHIP TOGETHER WITH COMBUSTIBLE MATERIALS.

Other Precautions:AVOID BREATHING DUST. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. USE WITH ADEUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP FROM CONTACT WITH OXIDIZING MATERIALS, HIGHLY OXYGENATED OR HALO GENATED SOLVENTS, ORGANIC COMPOUNDS, ETC

===== 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.

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

Protective Gloves:IMPERVIOUS GLOVES SHOULD BE WORN.

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES.

Work Hygienic Practices:IT IS GOOD INDUSTRIAL HYGIENE PRACTICE TO MINIMIZE EYE CONTACT. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

WARNING! REDUCING AGENT. KEEP OUT OF REACH OF CHILDREN.

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

HCC:N1

Vapor Pres:NEGLIGIBLE

Solubility in Water:APPRECIABLE.

Appearance and Odor:SOLID (POWDER), WHITE COLOR, ODORLESS.

Percent Volatiles by Volume:NEGLIE

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, BASES, SODIUM HYPOCHLORITE, STRONG OXIDIZING AGENTS, COMBUSTIBLE MATERIALS, HALOGENATED MATERIALS, AMMONIA

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. 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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