

EASTMAN KODAK CO. -- 197 1753 FIXER -- 6750-00-802-5471

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

Product ID:197 1753 FIXER

MSDS Date:04/12/1990

FSC:6750

NIIN:00-802-5471

MSDS Number: BKRCM

=== Responsible Party ===

Company Name:EASTMAN KODAK CO.

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:716-722-5151

Emergency Phone Num:716-722-5151 (72-1)

CAGE:19139

=== Contrac

tor 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

=====
Composition/Information on Ingredients
=====

Ingred Name:SODIUM THIOSULFATE (7772-98-7)

CAS:10102-17-7

RTECS #:WE6660000

Fraction by Wt: 70-80%

Other REC Limits:NONE SPECIFIED

Ingred Name:AMMONIUM ALUM

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%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

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

Rout
es of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALATION/SKIN:LOW HAZARD FOR
RECOMMENDED HANDLING.EYES:MAY CAUSE TRANSIENT
IRRITATION.INGESTION:EXPECTED TO BE A LOW INGESTION
HAZARD.CHRONIC-NOT GIVEN.
Explanation of Carcinogenicity:THIS PRODUCT CONTAINS NO INGREDIENT
LISTED AS CARCINOGEN BY IARC,NTP, OR OSHA.
Effects of Overexposure:SEE HEALTH HAZARDS SECTION.
Medical Cond Aggravated
by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.EYES:IMMEDIATELY
FLUSH WITH WATER FOR AT LEAST 15 MINUTES.SKIN:FLUSH WITH PLENTY OF
SOAP & WATER.INHALATION:REMOVE TO FRESH AIR.INGESTION:IF
CONSCIOUS,DRINK 1-2 GLASSES OF WATER. SEEK MEDICAL ATTENTION.

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

Flash Point:NONE
Extinguishing Media:WATER SPRA

Y, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. COOL CONTAINERS NEARBY FIRE WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:FIRE/EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.THIS MATERIAL,LIKE MOST ORGANIC MATERIALS (POWDER),MAY CREATE A DUST EXPLOSION.

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

Spill Release Procedur

es:FLUSH SPILLS TO AN ACID-FREE SEWER WITH LARGE AMOUNT OF WATER.

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

Handling and Storage Precautions:STORAGE-KEEP CONTAINER TIGHTLY CLOSED AND AWAY FROM ACIDS & OXIDIZERS.

Other Precautions:AVOID BREATHING DUSTS. AVOID CONTACT WITH EYES,SKIN,OR CLOTHING. WASH THOROUGHLY AFTER HANDLING.USE VENTILATION THAT IS ADEQUATE TO KEEP EMPLOYEE EXPOSURE TO AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS.

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

Respiratory Protection:RESPIRATORS ARE NOT NEEDED FOR NORMAL USE.A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE OR A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR WHERE AIRBORNE CONCENTRATIONS > TLV.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT.

Protective Gloves:LATEX OR NEOPRENE

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:EYE WASH STATIO

N & SAFETY SHOWER.IMPERVIOUS

CLOTHING SUCH AS BOOTS,APRON,WHOLE BODY SUIT MADE FROM NEOPRENE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

FORMULA CHANGED. TO CHECK THE PREVIOUS FORMULA, SEE SAME NSN UNDER PART NUMBER A.

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

HCC:N1

Vapor Pres:NEGLIGIBLE

Spec Gravity:>1.0

Evaporation Rate & Reference:NEGLIGBLE (NBAC=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE P

OWDER; ODORLESS

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

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS, STRONG OXIDIZERS

Stability Condition to Avoid: EXCESSIVE HEAT AND FLAME

Hazardous Decomposition Products: COMBUSTION MAY PRODUCE CARBON DIOXIDE
AND PROBABLY CARBON MONOXIDE. OXIDES OF SULFUR MAY ALSO BE PRESENT.

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

Waste Disposal Methods: DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT

TO FEDERAL, STATE, OR LOCAL LAWS. THIS CHEMICAL FORMULATION IS
EXPECTED TO HAVE A MODERATE BIOLOGICAL OXYGEN DEMAND, AND IT MAY
CAUSE SOME OXYGEN DEPLETION IF DISCHARGED WITHOUT TREATMENT.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability

for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.