

EASTMAN KODAK COMPANY -- 160 8413 VERSAMAT 641 FIXER & REPLINISHER, PART A --  
6750-00-573-9241

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

Product ID:160 8413 VERSAMAT 641 FIXER & REPLINISHER, PART A

MSDS Date:03/29/1995

FSC:6750

NIIN:00-573-9241

MSDS Number: BNQBK

=== 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

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

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Ingred Name:SODIUM THIOSULFATE,PENTAHYDRATE  
CAS:10102-17-7  
RTECS #:WE6660000  
Fraction by Wt: 80-85%  
Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM ACETATE  
CAS:126-96-5  
RTECS #:AJ4375000  
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: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

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EXPECTED TO BE A LOW INHALATION HAZARD  
OF RECOMMENDED HANDLING. EYE CONTACT MAY CAUSE TRANSIENT EYE  
IRRITATION. LOW SKIN CONTACT HAZARD FOR RECOMMENDED HANDLING.  
EXPECTED TO BE A LOW INGESTION HAZARD.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYE IRRITATION

Medical Cond Aggravated by Exposure:SUPPLIER DID NOT ADDRESS THIS  
FIELD.

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

First Aid:INHALED: IF SYMPTOMATIC, REMOVE TO FRESH AIR. EYE: ANYTHING  
THAT CONTACTS THE EYE SHOULD BE WASHED OUT IMMEDIATELY WITH WATER.  
SKIN: WASH AFTER EACH CONTACT. INGESTED:

DRINK 1-2 GLASSES OF WATER  
AND GET MEDICAL ATTENTION. - IF ANY SYMPTOMS OCCUR, GET MEDICAL  
ATTENTION.

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

Flash Point:NON-FLAMMABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:USE WATER SPRAY, CARBON DIOXIDE, OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE  
HAZARDOUS DECOM

POSITION PRODUCTS. THIS MATERIAL LIKE MOST ORGANIC  
IN POWDER FORM IS CAPABLE OF CREATING A DUST EXPLOSION.

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

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. KEEP  
FROM CONTACT WITH OXIDIZING MATERIALS, HIGH  
LY OXYGENATED OR

HALOGENATED SOLVENTS, ORGANIC COMPOUNDS.

Other Precautions:KEEP AWAY FROM COMBUSTIBLE MATERIAL.MINIMIZE DUST  
GENERATION AND ACCUMULATION. USE WITH ADEQUATE VENTILATION. KEEP  
CONTAINER TIGHTLY CLOSED. DO NOT STORE OR SHIP TOGETHER WITH  
COMBUSTIBLE MATERIALS. STORE IN ORIGINAL CONTAINER.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS

Ventilation:GOOD VENTILATION ( 10 ROOM VOL PER H

OUR IS CONSIDERED GOOD

GENERAL VENTILATION). SUPPLEMENTAL VENTILATION MAY BE NEEDED.

Protective Gloves:PROTECTIVE GLOVES

Eye Protection:SAFETY GLASSES (WITH SIDE SHIELDS)

Other Protective Equipment:IF PROLONGED OR REPEATED CONTACT IS  
NECESSARY, GLOVES OR OTHER PROTECTION MAY BE REQUIRED.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER  
BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NEGLIGIBLE

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE POWDER; ODORLESS

Percent Volatiles by Volume:NIL

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, COMB

USTIBLE MATERIAL, HALOGENATED MATERIALS,

AQUEOUS AMMONIA.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL  
FEDERAL, STATE AND LOCAL REGULATIONS.

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