

EASTMAN KODAK COMPANY -- 146 4833 REPLENISHER D-76R -- 6750-00-498-2557

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Product Identification  
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Product ID:146 4833 REPLENISHER D-76R

MSDS Date:02/19/1991

FSC:6750

NIIN:00-498-2557

MSDS Number: BFBMV

=== 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:716-722-51

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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

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Composition/Information on Ingredients  
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Ingred Name:SODIUM SULFITE

CAS:7757-83-7

RTECS #:WE2150000

Fraction by Wt: 75-80%

Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM TETRABORATE, PENTAHYDRATE

CAS:1330-43-4

RTECS #:VZ2240000

Fraction

by Wt: 10-15%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:1 MG/M3; 9394

Ingred Name:HYDROQUINONE (SARA III)  
CAS:123-31-9  
RTECS #:MX3500000  
Fraction by Wt: 6%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:P-METHYLAMINOPHENOL SULFATE  
CAS:55-55-1  
RTECS #:SL8650000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENETRIAMINEPENTAACETIC ACID PENTASODIUM SALT  
CAS:140-01-2  
Fraction  
by Wt: 1-5%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT ESTABLISHED.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: CAUSES IRRITATION. SKIN: CAUSES IRRITATION. CAN CAUSE ALLERGIC SKIN REACTION. INHALATION: LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: MAY BE HARMFUL IF SWALLOWED.  
Ex  
planation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, ALLERGIC SKIN REACTION. INHALATION: LOW HAZARD FOR RECOMMENDED HANDLING. INGESTION: MAY BE HARMFUL IF SWALLOWED.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF SYMPTO

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PERSISTS, GET MEDICAL ATTENTION. SKIN: FLUSH AREA WITH WATER AND WASH WITH A NON-ALKALINE (ACID) TYPE SKIN CLEANER. IF IRRITATION OR ALLERGIC REACTION DEVELOPS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF SYMPTOMS DEVELOP, GET MEDICAL ATTENTION. INGESTION: INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. GET MEDICAL ATTENTION.

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

Flash Point:NONCOMBUSTIBLE

Extinguishing Media:NONCOMBUSTIBLE SOLID. USE APPROPRIATE AGENT FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:FLUSH TO AN ACID-FREE SEWER WITH LARGE AMOUNTS OF WATER. DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE, OR LOCAL LAWS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP FROM CONTACT WITH OXIDIZING MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED AND AWAY FROM ACIDS.

Other Precautions:EXPECTED TO HAVE MODERATE BOD. EXPECTED TO HAVE HIGH POTENTIAL TO AFFECT AQUATIC ORGANISMS AND WASTE TREATMENT MICROORGANISMS. A FINAL CONCENTRATION OF 0.05 MG/L IS NOT EXPECTED TO CAUSE AN ADVERSE ENVIRONMENTAL EFFECT AFTER TREATMENT.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED DUST RESPIRATOR MUST BE WORN.

Ventilation:GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT.

Protective Gloves:WEAR IMPERVIOUS GLOVES.

Eye Protection:SAFETY GLASSES W/SIDE SHIELD

ELDS OR GOGGLES

Other Protective Equipment:ROUTINE USE OF A NON-ALKALINE TYPE SKIN  
CLEANER WILL MINIMIZE POSSIBILITY OF ALLERGIC SKIN REACTION.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

UNIT ISSUE OF THIS PRODUCT MAKES 1-GALLON OF WORKING SOLUTION. SEE,  
THIS SAME NSN, P/N INDICATOR-W FOR "WORKING SOLUTION" DATA.

===== Physical/Chemical Properties =====  
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HCC:N1

Vapor Pres:NEGLIGIBLE

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:APPRECIABLE

Appearance and Odor:YELLOW POWDER, ODORLESS.

Percent Volatiles by Volume:NEG

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS

Stability Condition to Avoid:FIRE AND EXCESSIVE HEAT MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS.

Hazardous Decomposition Products:THERMAL DECOMPOS  
ITION MAY PRODUCE

OXIDES AND OXIDES OF SULFUR.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE  
AND FEDERAL REGULATIONS.

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