

EASTMAN KODAK COMPANY -- 188 8742,VNF-1/RVNP COLOR DEVELOPER,PART A --  
6750-00-965-4954

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

Product ID:188 8742,VNF-1/RVNP COLOR DEVELOPER,PART A

MSDS Date:02/02/1990

FSC:6750

NIIN:00-965-4954

Kit Part:Y

MSDS Number: BFZWH

=== 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

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 25-30%

Other REC Limits:NONE SPECIFIED

Ingred Name:BENZYL ALCOHOL

CAS:100-51-6

RTECS #:DN315

0000  
Fraction by Wt: 20-25%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ETHYLENE GLYCOL (SARA III)  
CAS:107-21-1  
RTECS #:KW2975000  
Fraction by Wt: 17%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C 50 PPM  
ACGIH TLV:C 50 PPM,VAPOR; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SODIUM HYDROXIDE (SARA III)  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:ETHYLE  
NEDIAMINE (SARA III)  
CAS:107-15-3  
RTECS #:KH8575000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 PPM  
ACGIH TLV:S, 10 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:SODIUM BROMIDE  
CAS:7647-15-6  
RTECS #:VZ3150000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED

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

LD50 LC50 Mixture:LD50 (IPR-MUS) IS 40 MG/KG (NAOH SOLN.)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports o

f Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION: VAPOR MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. EYES: CAUSES SEVERE BURNS. SKIN: CAUSES SEVERE BURNS. CAN CAUSE AN ALLERGIC SKIN REACTION. INGESTION: HARMFUL IF SWALLOWED. CAUSE S SEVERE BURNS. CHRONIC: NONE SPECIFIEDBY MANUFACTURER.

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

Effects of Overexposure:INHA

LATION:VAPOR MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. EYES:CAUSES SEVERE BURNS. SKIN:CAUSES SEVERE BURNS. CAN CAUSE AN ALLERGIC SKIN REACTION. INGESTION:MAY CAUSE BURNS OF THE ESOPHAGUS AND S TOMACH. ALSO ABDOMINAL PAIN, VOMITING, DIARRHEA & SHOCK MAY OCCUR.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS OR WITH A PRE-EXISTING DISEASE INVOLVING THE SKIN MAY BE AT INCREASED RISK FROM EXPOSURE.

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===== First Aid Measures =====  
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First Aid:INHALE:REMOVE TO FRESH AIR. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES. WASH SKIN WIT H SOAP AND WATER. GET MEDICAL ATTENTION.INGESTION:DO NOT INDUCE VOMITING. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GIVE ONE GLASS OF MILK OR WATER. CALL A PHYSICIAN AT ONCE. NOTE: CAUSTIC SOLUTION.

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===== Fire Fighting Measures ==  
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Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

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

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:NEUTR

ALIZE WITH SODIUM BISULFATE. FLUSH

MATERIAL TO SEWER WITH LARGE AMOUNTS OF WATER. DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE, OR LOCAL LAWS.

Neutralizing Agent:SODIUM BISULFATE

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

Handling and Storage Precautions:KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE AND AWAY FROM STRONG MINERAL ACIDS. KEEP FROM CONTACT WITH OXIDIZING MATERIALS.

Other Precautions:AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING. USE OF NON-ALKALINE TYPE HAND CLEANER REDUCES RISK OF ALLERGIC SKIN REACTION.

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

Respiratory Protection:AN APPROPRIATE NIOSH-APPROVED RESPIRATOR FOR ORGANIC VAPOR SHOULD BE WORN IF NEEDED.

Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.

Protective Gloves:NEOPRENE OR NATURAL RUBBER

Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health  
PART A OF A FIVE PART KIT.

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

HCC:B1

Boiling Pt:B.P. Text:>212F,>100C

Vapor Pres:18

Vapor Density:1.28

Spec Gravity:1.23

pH:13

Evaporation Rate & Reference:N/K (N-

BUTYL ACETATE = 1)

Solubility in Water:COMPLETE

Appearance and Odor:SLIGHTLY YELLOW LIQUID; FAINT AROMATIC ODOR

Percent Volatiles by Volume:80

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS AND STRONG ACIDS.

Hazardous Decomposition Products:COMBUSTION WILL PRODUCE CARBON DIOXIDE  
AND PROBABLY CARBON MONOXIDE.

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

Waste Disposal Methods:DIS

POSAL SHOULD BE MADE IN ACCORDANCE WITH ALL

APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

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