

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.

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

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.

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

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.

=====  
===== 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 T HOROUGHLY 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 WA SH 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.

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.