

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

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

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

MSDS Date:04/14/2000

FSC:6750

NIIN:00-965-4954

Kit Part:Y

MSDS Number: BFZWK

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone N

um:716-477-3194 MSDS :800- 242-2424

Emergency Phone Num:716-722-5151

Preparer's Name:NOT PROVIDED

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  
=====

Ingred Name:TERT-BUTYLAMINE BORANE  
CAS:7337-45-3  
RTECS #:EO3900000  
= Wt:100.

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

LD50 LC50 Mixture:ORAL LD-50 (RAT): 25 MG/KG  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EFFECTS OF EXPOSURE: INHALATION:  
HARMFUL IF INHALED. IF DIBORANE GAS IS LIBERATED AT CONCENTRATIONS  
ABOVE RECOMMENDED EXPOSURE LIMITS DUE TO CONTACT

WITH A STRONG  
OXIDIZER, ACID, OR WATER, IT MAY CAUSE RESPIRATORY TRACT  
IRRITATION, DROWSINESS, CHEST TIGHTNESS, COUGHING, WHEEZING,  
PULMONARY EDEMA, AND DEATH. EFFECTS MAY BE DELAYED. EYES: CAUSES  
IRRITATION. SKIN: CAUSES IRRITATION. HARMFUL IF ABSORBED THROUGH  
SKIN. INGESTION: MAY BE FATAL IF SWALLOWED. MAY CAUSE CONVULSIONS.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION  
(COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR  
RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF

GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NONE - NATIONAL  
TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH  
ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: IF DIBORANE GAS IS LIBERATED AT  
CONCENTRATIONS ABOVE RECOMMENDED EXPOSURE LIMITS DUE TO CONTACT  
WITH A STRONG OXIDIZER, ACID, OR WATER, IT MAY CAUSE RESPIRATORY  
TRACT IRRITATION, DROWSINESS, CHEST TIGHTNESS, COUGHING, WHEEZING,  
PULMONARY

EDEMA, AND DEATH. EFFECTS MAY BE DELAYED. EYES: CAUSES  
IRRITATION. SKIN: CAUSES IRRITATION. INGESTION: MAY CAUSE  
CONVULSIONS.

Medical Condition Aggravated by Exposure:NOT PROVIDED

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

First Aid:INHALATION: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET  
MEDICAL ATTENTION. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR  
AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY  
FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

EAST 15 MINUTES WHILE REMOVING

CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. INGESTION: INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

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

Extinguishing Media:FLOOD WITH WATER.

Fire Fighting Procedure

s:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. USE WATER WITH CAUTION. MATERIAL REACTS WITH WATER. WATER MAY BE INEFFECTIVE IN FIGHTING THE FIRE.

Unusual Fire/Explosion Hazard:CONTACT WITH WATER LIBERATES TOXIC GAS. ELEVATED TEMPERATURE CAN CAUSE DECOMPOSITION. POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES.

=====

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. AVOID GENERATION OF DUST. OTHERWISE, COLLECT UP AND PUT IN A SUITABLE CONTAINER. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN POLYETHYLENE CONTAINERS. DO NOT STORE IN GLASS. KEEP CONTAINER TIGHTLY CLOSED AND DRY. KEEP AWAY FROM WATER, INCOMPATIBLE SUBSTANCES (SEE INCOMPATIBILITY SECTION). CONTENTS MAY DEVELOP PRESSURE IF EXPOSED TO WATER. STORE IN A COOL PLACE. KEEP FROM CONTACT WITH OXIDIZING MATERIALS.

Other Precautions:AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. AVOID BREATHING DUST. IF ACCIDENTALLY MIXED WITH A STRONG OXIDIZER, ACID OR WATER, DO NOT BREATHE GAS. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. KEEP

FROM ANY CONTACT WITH WATER. DO NOT ALLOW WATER TO GET INTO CONTAINER BECAUSE OF REACTION.

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

Respiratory Protection: RESPIRATORY PROTECTION: IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: FULL-FACE POSITIVE-PRESSURE AIR-SUPPLIED. IF RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA

STANDARD 29 CFR 1910.134.

Ventilation: USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL.

Protective Gloves: WEAR IMPERVIOUS GLOVES AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

Eye Protection: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

Other Protective Equipment: EYE BATH, WASHING FACILITIES, SAFETY SHOWER

Work Hygienic Practices: NOT PROVIDED

Supplemental Safety and Health STORE A

DO NOT SHIP SEPARATELY FROM OTHER PARTS OF THE KIT. ABBREVIATION:

N/A=NOT APPLICABLE OR NOT AVAILABLE. N/K=UNKNOWN. N/P=NOT PROVIDED. N/R=NOT RELEVANT. N/D=NOT DETERMINED. N/E=NOT ESTABLISHED. CNS=CENTRAL NERVOUS SYSTEM. GI=GASTROINTESTINAL.

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

HCC:F8

NRC/State Lic Num: NOT RELEVANT

Melt/Freeze Pt: =100.C, 212.F

M.P/F.P Text: WITH DECOMPOSITION

Decomp Temp: =100.C, 212.F

Vapor Pres: NOT AVAILABLE

Spec Gravity: 0.87

pH: NOT AVAILABLE

Solubility in Water: DECOMPOSES.

Appearance and Odor: WHITE SOLID (CRYSTAL). ODOR: AMINE.

Corrosion Rate: NOT PROVIDED

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

Stability Indicator/Materials to Avoid: YES

MATERIAL CAN REACT WITH WATER. PRESSURE MAY DEVELOP IN CONTAINER IF CONTENTS ARE EXPOSED TO WATER. CONTACT WITH ACID LIBERATES FLAMMABLE MATERIAL, TOXIC GAS. STRONG OXIDIZING AGENTS. CONTACT WITH WATER LIBERATES TOXIC GAS.

Stability Condition to Avoid:

EXOTHERM ONSET TEMPERATURE: 100C

Hazardous Decomposition Products:DIBORANE GAS, HYDROGEN, CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN

===== Toxicological Information =====

Toxicological Information:ACUTE TOXICITY DATA: ORAL LD-50 (RAT): 25 MG/KG DERMAL LD-50: 1-5 G/KG SKIN IRRITATION: MODERATE IRRITATION EYE IRRITATION: SLIGHT IRRITATION

===== Ecological Information =====

Ecological:THIS MATERIAL HAS NOT BEEN TESTED FOR ENVIRONMENTAL EFFECTS.

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

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. CONTRACT WITH A LICENSED CHEMICAL DISPOSAL AGENCY. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

===== MSDS Transport Information =====

Transport Information:FOR TRANSPORTATION INFORMATION REGARDING THIS PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE: (716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD TIME), MONDAY THROUGH FRIDAY .

===== Regulatory Information =====

SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: NONE

Federal Regulator

Information:NOT PROVIDED

State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: NONE - MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE

===== Other Information =====

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

ever,

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.