



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB1038, NPT Fluorescent Violet Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB1038  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Violet

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.7-10.7

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA. These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated  
**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples are given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purposes. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended use and application.



## MATERIAL SAFETY DATA SHEET

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 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB1440, NPT Violet Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB1440  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Violet

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.0-10.0

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA. These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples are given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purposes. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended use and application.



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB2441, NPT Blue G/S Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB2441  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

## 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

## 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Blue

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 8.8-9.8

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB2442, NPT Blue R/S Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB2442  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Blue

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 8.8-9.8

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA. These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated  
**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB2443, NPT Marine Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB2443  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Blue

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 11.5-12.5

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples are given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purposes. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended use and application.



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB3443, NPT Green Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB3443  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Green

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.0-10.0

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB4042, NPT Fluorescent Lemon  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB4042  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Yellow

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.7-10.7

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB4449, NPT Yellow Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB4449  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Yellow

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.5-10.5

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB6057, NPT Fluorescent Red Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB6057  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

## 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

## 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Red

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.4-10.4

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples are given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purposes. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended use and application.



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB6446, NPT Red Y/S Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB6446  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Red

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.4-10.4

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** Barium Compound: <16.5% As Barium: 4.10%

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples are given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purposes. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended use and application.



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB6447, NPT Red B/S Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB6447  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Red

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.6-10.6

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA. These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB8394, NPT Black Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB8394  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** Black

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 9.1-10.1

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated  
**DOT HAZARD CLASS:** None  
**UN/NA NUMBER:** None  
**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

### **DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES:**

All recommendations and statements made, if any, are based on Rutland's research and experience. However, since Rutland has no control over the conditions of use or storage of the product sold, Rutland cannot guarantee the results obtained through the use of its products. All products are sold and samples are given without any representation or warranty, expressed or implied, of fitness for any particular purpose or otherwise, and upon condition that the buyer shall determine the suitability of the product for its own purposes. This applies also where protective rights of third parties are involved. It does not release the user from the obligation to test the suitability of the product for the intended use and application.



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURING LOCATION:**  
 Rutland Plastic Technologies, Inc.  
 10021 Rodney Street  
 Pineville, NC 28134  
 704/553-0046

**HAZARDOUS MATERIAL INFORMATION SYSTEM:**

<b>Health:</b>	<b>1</b>
<b>Flammability:</b>	<b>0</b>
<b>Reactivity:</b>	<b>0</b>
<b>Personal Protection:</b>	<b>A</b>

**IN CASE OF EMERGENCY CONTACT:** 704/553-0046

**PRODUCT NAME:** EB9256, NPT White Concentrate  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-phthalate

**MSDS NUMBER:** EB9256  
**DATE REVISED:** 10/6/2008  
**DATE PRINTED:** 10/10/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PREPARED BY:** Kimberly C. Leitch (704) 553-0046 ext. 155

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
No hazardous ingredients as defined by OSHA 29 CFR 1910.1200				

### 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Low hazard for normal industrial use.

**EYE CONTACT:** Low hazard for normal industrial use; however, any material that contacts the eye may cause mechanical irritation.

**SKIN CONTACT:** Low hazard for normal industrial use.

**INGESTION:** Not a likely route of exposure. Very low toxicity.

**INHALATION:** Not a problem at room temperature, but fumes formed at elevated temperatures can be irritating.

#### 4. FIRST AID MEASURES

**EYES:** Flush with water for 15 minutes. If irritation develops, get medical attention.

**SKIN:** Wash with soap and water.

**INHALATION:** Remove to fresh air for relief.

**INGESTION:** None necessary for small quantities.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >400 (COC)

**OSHA FLAMMABILITY CLASSIFICATION:** None

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Chemical, or water mist.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self contained breathing apparatus.

**EXPLOSION LIMITS IN AIR - LOWER (%):** Unknown

**EXPLOSION LIMITS IN AIR - UPPER (%):** Unknown

**AUTO IGNITION TEMP (° F):** Unknown

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

#### 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Dike to contain spill. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Do not store near heat or flame. Material can gel with long exposure to elevated temperatures (Above 95° F.).  
Segregate from phthalate containing inks to avoid contamination.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use with adequate ventilation.

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

**PROTECTIVE GLOVES:** Usually not required.

**EYE AND FACE PROTECTION:** Safety glasses recommended.

**OTHER PROTECTIVE EQUIPMENT:** Usually not required.

**VENTILATION:** Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Range/Point:** Solidifies before boiling.

**Vapor Pressure:** Unknown

**Vapor Density (AIR=1):** >1

**Freezing Point:** Not applicable

**Melting Point:** Not applicable

**Physical State:** Thick Liquid

**Color:** White

**% Volatile by Weight:** 0.2%-4%

**VOC (g/l):** 2 - 50 g/l

**Evaporation Rate (Butyl Acetate=1):** Unknown

**Weight per gallon:** 11.8-12.8

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, HCl.

**INCOMPATIBILITY (MATERIALS TO AVOID):** None

**CONDITIONS TO AVOID:** Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** These products are not listed as carcinogens by NTP, IARC, EPA, or OSHA.  
These products are not listed as reproductive or developmental toxins by EPA.

**ACUTE ORAL LD50:** Not available

**ACUTE DERMAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts may be fused in a vented oven and disposed of as a solid. Disposed material is not a listed RCRA Hazardous waste. Dispose of materials in accordance with the applicable Local, State, and Federal regulations.

## 14. TRANSPORT INFORMATION

**DOT SHIPPING NAME:** Not regulated

**DOT HAZARD CLASS:** None

**UN/NA NUMBER:** None

**DOT PACKING GROUP:** None

**AIR FREIGHT TRANSPORTATION:** Not regulated

**OCEAN TRANSPORTATION:** Not regulated

## 15. REGULATORY INFORMATION

**TSCA STATUS:** All components of these products are on the US TSCA Inventory.

**CALIFORNIA PROPOSITION 65:** These products do not contain chemicals known to the state of California to cause cancer or birth defects; however, routine analysis for all listed materials is not conducted.

**SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:** None

**SARA (311,312) HAZARD CLASS:** None

**SARA SECTION 313 TOXIC CHEMICALS:** None

**AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES:** Unknown at this time.

**CANADIAN INVENTORY:** None

**EINECS REGULATIONS:** Unknown at this time

**JAPAN:** Unknown at this time

**KOREAN CHEMICAL INVENTORY:** Unknown at this time

## 16. OTHER INFORMATION

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