



## 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>B</b>

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

**PRODUCT NAME:** Rutland PVC Free Waterbase Screen Printing Ink  
**CHEMICAL FAMILY:** Anionic Polymer Based Mixture

**MSDS NUMBER:** 030  
**DATE REVISED:** 9/5/2008  
**DATE PRINTED:** 9/8/2008  
**SUPERSEDES:** None  
**VERSION:** 1

**PRODUCT CODES:**

RW0006	RW2636	RW4584	RW6711
RW0404	RW2639	RW4871	RW7468
RW0877	RW2728	RW5585	RW7625
RW1267	RW3348	RW6188	RW8000
RW1567	RW4122	RW6210	RW9030
RW2483	RW4485	RW6226	

**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

**EYE CONTACT:** May be irritating to the eyes.

**SKIN CONTACT:** May cause minor skin irritation

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

**INHALATION:** Avoid breathing vapors. May cause respiratory irritation.

#### 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. If breathing difficulties arise or continue, get medical attention.

**INGESTION:** Rinse mouth and then drink plenty of water.

#### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >200° F

**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      **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. Keep product from entering drains. Recover free product. Collect remaining product with absorbent materials.

#### 7. HANDLING AND STORAGE

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep containers tightly closed. Do not store near heat or flame. Avoid storage temperatures above 95° F.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

**RESPIRATORY PROTECTION EQUIPMENT:** Not necessary at room temperature with adequate ventilation.

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

**PROTECTIVE GLOVES:** Recommended

**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:** 212° F

**Vapor Pressure:** <19 mm Hg

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

**Freezing Point:** 32° F

**pH @ 50g/l, 30° C:** 6 - 9

**Physical State:** Liquid

**Color:** All colors

**% Volatile by Weight:** <63%

**VOC (g/l):** Unknown at this time

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

**Specific Gravity @ 25° C:** 1.00-1.20

**Weight per gallon:** 8.3-10.0

## 10. STABILITY AND REACTIVITY

**STABILITY:** Material is stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

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

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

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

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:** This product is not listed as a carcinogen by NTP, IARC, or OSHA.

**ACUTE ORAL LD50:** Not available

**ACUTE INHALATION LC50:** Not available

**ACUTE DERMAL LD50:** Not available

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** 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:** RW4871 contains the following:

Copper	CAS # 7440-50-8	6.12%
Zinc	CAS # 7440-66-6	2.64%

**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.



Rutland Plastic Technologies, Inc. - 10021 Rodney Street - Pineville, NC 28134  
ISO 9001:2000 and ISO 14001:2004