



## 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 Screen Printing Plastisol  
**CHEMICAL FAMILY:** Polyvinyl Chloride Dispersion, Non-Phthalate  
**PRODUCT CODE:** ES9003, NPT Spand-E-Sol White

**MSDS NUMBER:** ES9003  
**DATE REVISED:** 1/16/2014  
**SUPERSEDES:** 7/20/2009  
**VERSION:** 2

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

### 2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
Phosphate	115-86-6	<8%	3mg/m <sup>3</sup>	

The above ingredient is defined as hazardous by OSHA 29 CFR 1910.1200.

### 3. HAZARDS IDENTIFICATION

**EYE CONTACT:** May cause eye irritation.

**SKIN CONTACT:** May cause skin irritation

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

### 3. HAZARDS IDENTIFICATION (CONTINUED)

**INGESTION:** May cause burning in mouth and digestive tract.

### 4. FIRST AID MEASURES

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

**SKIN:** Wash with soap and water for 15 minutes. If irritation develops or persists, get medical attention.

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

**INGESTION:** If victim is conscious, give liquids. Do not induce vomiting. Get medical attention.

**NOTE TO PHYSICIAN:** The phosphate in this product may cause Cholinesterase inhibition if it is ingested in large quantities.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT (° F):** >200 (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      **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.).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>ENGINEERING CONTROLS:</b>	Use with adequate ventilation.
<b>RESPIRATORY PROTECTION EQUIPMENT:</b>	Not necessary at room temperature.
<b>PROTECTIVE GLOVES:</b>	Recommended
<b>EYE AND FACE PROTECTION:</b>	Safety glasses recommended.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Usually not required.
<b>VENTILATION:</b>	Local exhaust as needed near processing equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Range/Point:</b>	Solidifies before boiling.
<b>Vapor Pressure:</b>	Unknown
<b>Vapor Density (AIR=1):</b>	>1
<b>Freezing Point:</b>	Unknown
<b>Melting Point:</b>	Unknown
<b>Physical State:</b>	Thick Liquid
<b>Color:</b>	White
<b>% Volatile by Weight:</b>	1.2-1.5%
<b>VOC (g/l):</b>	3 - 50 g/l
<b>Evaporation Rate (Butyl Acetate=1):</b>	Unknown
<b>Weight per gallon:</b>	11.4-12.4

## 10. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Material is stable
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur.
<b>HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:</b>	CO, CO <sub>2</sub> , HCl.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b>	None
<b>CONDITIONS TO AVOID:</b>	Storage temperatures above 95° F.

## 11. TOXICOLOGICAL INFORMATION

<b>CARCINOGENICITY:</b>	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.		
<b>ACUTE ORAL LD50:</b>	Not available	<b>ACUTE DERMAL LD50:</b>	Not available
<b>ACUTE INHALATION LC50:</b>	Not available		

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Unknown

**CHEMICAL FATE INFORMATION:** Unknown

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts can 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:** Immediate

**SARA SECTION 313 TOXIC CHEMICALS:** None

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

**CANADIAN INVENTORY:** Unknown at this time

**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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