Rutland Plastic Technologies, Inc.
10021 Rodney Street
Pineville, NC 28134

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:

Health:	**1**
Flammability:	**0**
Reactivity:	**0**
Personal Protection:	**A**

IN CASE OF EMERGENCY CONTACT: 704/553-0046

PRODUCT NAME:	Rutland Screen Printing Plastisol	**MSDS NUMBER:**	8
CHEMICAL FAMILY:	Polyvinyl Chloride Dispersion	**DATE REVISED:**	5/8/00
PRODUCT CODE:	All ND Inks	**DATE PRINTED:**	4/8/01

2. Hazardous Ingredients

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
None				

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.

MEDICAL CONDITIONS AGGRAVATED: None

NOTE TO PHYSICIAN: None

5. FIRE FIGHTING MEASURES

FLASH POINT (° F): >400 (COC)

OSHA FLAMMABILITY CLASSIFICATION: None

EXTINGUISHING MEDIA: Foam, CO_2, 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.).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Use with adequate ventilation.
RESPIRATORY PROTECTION EQUIPMENT:	Not necessary at room temperature.
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:	Unknown
Melting Point:	Unknown
Physical State:	Thick Liquid
Color:	All colors
% Volatile by Weight:	0.2%-4%
VOC (g/l):	2 - 50 g/l
Evaporation Rate (Butyl Acetate=1):	Unknown
Specific Gravity @ 25° C:	1.4 - 1.5
Weight per gallon:	11.6 - 12.5

10. STABILITY AND REACTIVITY

STABILITY:	Material is stable
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:	CO, CO_2, HCl.
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 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 are not known to contain any 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: Zinc compounds, <30%

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.

17. LABEL INFORMATION

SINGLE WORD: None

TARGET ORGANS: None

EYES: None

SKIN: None

INHALATION: None

INGESTION: None

HANDLING: None

STORAGE: None

ACTION TO BE TAKEN IF MATERIAL IS RELEASE OR SPILLED: None

EXTINGUISHING MEDIA: None

RIGHT-TO-KNOW CHEMICALS: None

ADDENDUM to MSDS 1-8

The following products, Rutland® Screen Printing Plastisols contain compounds which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (Sara), Title III, Section 313:

Barium Compounds 4-9.5% (1-2.4% as Barium, Cas #7440-39-3)

CB	M26155	MH6125	MH6262	MH7070	**MR**	NH6774	**NX**
CB6446	M26189	MH6217	MH6270	MH7078	MR6250	NH6823	NX6225
CC	M26209	MH6219	MH6278	MH7079	MR6446	NH6889	NX6446
CC6032	M26212	MH6220	MH6279	MH7098	**MS**	**NM**	**SS**
HD	M26445	MH6231	MH6289	MH7101	MS6446	NM5103	SS6446
HD6446	M26446	MH6232	MH6300	MH7102	**NA**	NM6016	
HL	M26772	MH6233	MH6302	**ML**	NA6772	NM6257	
HL6446	M27046	MH6236	MH6304	ML5534	**NH**	NM6345	
LP	**MA**	MH6238	MH6310	ML5813	NH5039	NM6400	
LP6190	MA6295	MH6241	MH6312	ML6174	NH5534	NM6446	
M2	**MC**	MH6243	MH6314	ML6248	NH6135	**NP**	
M26120	MC6255	MH6245	MH6329	ML6291	NH6400	NP6023	
M26142	**MH**	MH6249	MH6375	ML6772	NH6446		
M26153	MH5084	MH6256	MH6772	ML6889	NH6772		

Copper Compounds 10-13.5% (9-13% AS Copper, CAS #7440-50-8)

MH		**NG**		**NM**		
MH4127	MH7088	NG4779	NG7876	NM4012	NM4871	NM7087
MH7086		NG4871		NM4171	NM7085	NM7876

Zinc Compounds 7-13% (2-4.5% as Zinc, CAS #7440-66-6)

MH	**NG**	**NM**	
MH4127	NG4779	NM4012	NM4871
	NG4871	NM4171	