



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:	B

IN CASE OF EMERGENCY CONTACT: 704/553-0046

PRODUCT NAME: Rutland Screen Printing Plastisol
CHEMICAL FAMILY: Polyvinyl Chloride Dispersion
PRODUCT CODE: All MD Series Inks, BG9256 and HD8394

MSDS NUMBER: 009
DATE REVISED: 11/24/2008
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SUPERSEDES: 7/22/2008

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

2. HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WEIGHT	TLV	PEL
N-methyl-2-pyrrolidone (NMP)	872-50-4	<1.1%	Not determined	

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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Avoid contact with skin and eyes.

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: May cause skin irritation. Prolonged contact with NMP may cause dermatitis. Skin absorption is possible.

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 thoroughly with soap and water.

INHALATION: Remove to fresh air for relief.

INGESTION: None necessary for small quantities.

5. FIRE FIGHTING MEASURES

FLASH POINT (° F): >200 (COC)

OSHA FLAMMABILITY CLASSIFICATION: None

EXTINGUISHING MEDIA: Foam, CO₂, 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

PROTECTIVE GLOVES: Recommended

EYE AND FACE PROTECTION: Safety glasses recommended.

OTHER PROTECTIVE EQUIPMENT: Long sleeved work shirts recommended to avoid skin contact.

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: 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: 1.17 - 1.50

Weight per gallon: 9.7 - 12.5

10. STABILITY AND REACTIVITY

STABILITY: Material is stable

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS: CO, CO₂, 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: 8000mg/kg (NMP)

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 contain N-methyl-2-pyrrolidone (NMP), CAS # 872-50-4, which is a chemicals known to the state of California to cause cancer or birth defects.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: None

SARA (311,312) HAZARD CLASS: Acute

SARA SECTION 313 TOXIC CHEMICALS: N-methyl-2-pyrrolidone CAS # 872-50-4 <1.1%
MD6341, MD6342, MD6446 and MD6772 also contain:
Barium compounds CAS # 7440-39-3 <7%
As barium <1.8%

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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