



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 NPT Screen Printing Plastisol
CHEMICAL FAMILY: Polyvinyl Chloride Dispersion, Non-phthalate

MSDS NUMBER: 38
DATE REVISED: 3/12/2013
SUPERSEDES: 12/7/2012
VERSION: 11

PRODUCT CODES: C3, EA, EB, EC, EF, EH, EL, EM, EN, EP, ER0179, ES, EU, M3, SE, VH, and VL
SAMPLE CODES*: X0410B, X0440Y, X0442G, X04D75, X04D91, X04E06, X04F02, X04G01, X04T01, X04V0A, X04V0B, X05401, X05Z03, X06D0B, X06H18, X06O0H, X06P0E, X07B08, X07C09, X07I02

*These are developmental products and are to be used for experimental purposes only.

EXCEPTIONS:** EA0001, EA0005, EA0011, EA0014, EH0192, EH4227, ES0031, ES0138, ES0168, ES0221, ES0246, ES0280, ES4779, ES8396, ES9003, ES9014, SE8248

**See individual MSDS for these products.

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2. 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.

3. INGREDIENTS AND HAZARDS

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

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 ₂ , 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.). 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.

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: 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

Weight per gallon (lbs./gal.): 9.7-14

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: 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 INHALATION LC50:** Not available

ACUTE DERMAL LD50: 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:

EH4218, EH4271, EH4272, ES4779, ES4871 and ES7876 contain <15% copper
EH2251, EH3408, EH4218, ES3101, ES4779, and ES4871 contain <25% Zinc Compound
The products listed below contain:

Barium Compound: <19% **As Barium:** <4.75%

C36446, EB6446, EH5107, EH5112, EH5118, EH5134, EH5154, EH5166, EH5167,
EH5172, EH5173, EH5179, EH5203, EH5675, EH5724, EH6032, EH6086, EH6087, EH6088, EH6179,
EH6186, EH6188, EH6200, EH6279, EH6286, EH6330, EH6331, EH6332, EH6333, EH6334,
EH6335, EH6359, EH6360, EH6361, EH6385, EH6386, EH6398, EH6400, EH6419, EH6485,
EH6785, EH6795, EH6797, EH6805, EH6807, EH6994, EH7114, EH7120, EH7439, EH7497,
EH7731, EL5203, EL6279, EL6398, EL6400, EM6446, M36446, VL6279

AUSTRALIAN INVENTORY CHEMICAL SUBSTANCES: Unknown at this time.

CANADIAN INVENTORY: None

15. REGULATORY INFORMATION (CONTINUED)

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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