



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
CHEMICAL FAMILY: Polyvinyl Chloride Dispersion, Non-Phthalate
PRODUCT CODES: All EV Inks
EXCEPTION: EV0280: See MSDS for product
SAMPLES*: X0430A, X0403C, X05K11

MSDS NUMBER: 27
DATE REVISED: 2/16/2010
DATE PRINTED: 1/5/2011
SUPERSEDES: 1/26/2009
VERSION: 4

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

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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, 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.).
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

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: 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: 1.09-1.60

Weight per gallon: 9.10-13.10

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 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 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: EV6367 and EV6446 contain <20% barium compound (<5% as Ba)

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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