



## MSDS Material Safety Data Sheet



### SECTION1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: SPI (Screen Printing Innovation)

(86) 3A El-Faroukya Towers, Gesser El Suez st., El Nozha, Cairo, Egypt.

Telephone Number: (+2) 0221922617

Mobile Number: (+2) 0122 55 88 343

Trade Name: Green Phthalate-Free Plastisol Inks

Codes: G800Reducer-G803Extender Base-G504 Mixing Base -G551 Mixing Base-GHigh Stretch -G1600 High Density-G802 JELL-G801 Metallic-G500 Gold-G500 Silver .

Chemical Family: Plastisol

Product Use: Screen printing inks

WHMIS Classification: Not controlled

### SECTION2.COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	Percentage	CAS#
Plasticizer phthalate free	30-40%	166412-78-8
Fuma Silica	1-5%	112945-52-5
PVC resin	30-40%	9002-86-2
Titanium dioxide	5-40%	13463-67-7
Organic pigment	10-20%	Mixture

#### Composition comments:

These products do not contain any known currently listed hazardous materials.

### SECTION3. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Potential routes of over exposure to these products are skin contact and inhalation of fumes during heat processing.

Effects of over exposure: Fumes emitted during fusion may irritate eyes, skin or respiration at orytract.

Chronic Effects: Skin sensitization and all organic reactions may occur in certain individual cases.

Synergistic Products: None known

### SECTION4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for 15 minutes.

Skin Contact: Remove excess material from skin and wash with soap and water.

Inhalation: Remove to fresh air immediately.

Ingestion: Get immediate medical attention and advice.

## **SECTION5. FIRE FIGHTING MEASURES**

Flammability Properties

Flash Point (Closed Cup): 227°C

Hazardous Combustion Products: Oxide of Carbon, Hydrochloric Acid

Explosion Limits: Not applicable

Explosion Data: Not applicable

Extinguishing Media: CO<sub>2</sub>, Dry Chemical, Foam

Special Fire Fighting Procedures: Avoid breathing combustion product or use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Container may explode when subjected to extreme conditions and temperatures.

## **SECTION6. ACCIDENTAL RELEASE MEASURES**

Procedure if Material is Spilled or Released: Scoop material into a clean, properly labeled container for disposal and absorb remainder within material.

## **SECTION7. HANDLING AND STORAGE**

Handling: Handle and open containers with care .Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use.

Storage: Keep the container tightly closed in a cool, dry, well-ventilated area, away from oxidizing and combustible materials.

## **SECTION8. CONTROLS/PERSONAL PROTECTION**

Respiration Protection: Not required with normal adequate ventilation.

Ventilation: Exhaust system sufficient or remove vapors released during fusion process.

Engineering Controls: Not necessary

Personal Protective Equipment (PPE)

Skin Protection: Nitrile gloves if continual contacts likely.

Foot wear: Sneakers

Clothing: Nitrile smock if available

Respiratory Protection: Not required with normal adequate even dilation.

Personal Hygiene: Avoid breathing fumes during fusion process. Wash hands before eating. Wash contaminated clothing before reuse. Normal washing will be sufficient.

## **SECTION9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Cream paste

Boiling Range, °C: 260

Vapor Pressure (mmHg@20°C): <0.001@38°C

Vapor Density (Air= 1): Heavier than air

Specific Gravity (Water= 1): 1–1.5

Solubility in water: Insoluble

Percent Volatile by volume: Not applicable; Does not contain any volatile organic compounds

Hazardous Air pollutant: Does not contain any HAP's in accordance with US Environmental requirement list

pH:7-6.8

## **SECTION10. STABILITY AND REACTIVITY**

Chemical Stability: Stable

Incompatibility (materials to avoid): Oxidizing material can cause reaction.

Conditions of Reactivity: Prolonged exposure to temperatures @300°C, Products table at ambient temperature

Hazardous Decomposition: Not established

## **SECTION11. TOXICOLOGICAL INFORMATION**

There is no known published data available for this product.

## **SECTION12. ECOLOGICAL INFORMATION**

There is no known published data available for this product.

## **SECTION13. DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Dispose of in accordance with all Local, Provincial and Federal Regulations.

## **SECTION14. TRANSPORT INFORMATION**

Egyptian TDG Shipping Description: Not regulated

USDOT Classification: Not regulated

IATA: Not classified as dangerous goods

## **SECTION15. REGULATORY INFORMATION**

U.S.TSCA Inventory Status: All components of these products are either on the Toxic Substances Control Act(TSCA) Inventory List or exempt.

USEPACERCLA Hazardous Substances (40CFR302): Not applicable.

California Proposition 65: Not applicable

SARA Title III Section 302 Extremely Hazardous Substances: Not applicable.

SARA Title III Section 313 Toxic Chemicals: Not applicable.

DSL Inventory Status: All components of these products are either on the Domestic Substances List (DSL), the Non- Domestic Substances List (NDSL) or exempt.

National Pollutant Release Inventory (NPRI): Not applicable

## **SECTION16. OTHER INFORMATION**

**DISCLAIMER:** All information presented herein is given in good faith and is based on sources and tests are considered to be reliable but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product as well as to determine the suitability of this product for a specific purpose. We can make no warranty as to the results to be obtained in using the product.

Prepared by: SPI scientific division