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 /0221922618
Mobile Number: (+2) 0122 55 88 343
Trade Name: Tulip Plastisol Ink
Chemical Family: Plastisol
Product Use: Screen printing inks
WHMIS Classification: Not controlled

SECTION2.COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	Percentage	TLV (PPM)	CAS#
Plasticizer	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 respire at orytract.
Chronic Effects: Skin sensitization and all organic reactions may occur in certain individual sins light 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: CO2, 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, ºC: 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' sin 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.TOXICOLOGICALINFORMATION
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. REGULATORYINFORMATION
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