



# MSDS Material Safety Data Sheet

## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer's Name:** SPI (Screen Printing Inks)  
(86) 3A El-Faroukya Towers  
Gesser El Suez St.,  
El Nozha,  
Cairo, Egypt

**Telephone Number:** (+2) 02 262 11 617 / 8

**Mobile Number:** (+2) 0122 55 88 343

**Trade Name:** Acque Water-based Inks

**Codes:** A50/50-A50/60 -A50/80WHITE, A504/551 BASE , A800 REDUCER ,A700 PIGMENTS

**Chemical Family:** Acrylic derivatives

**Product Use:** Printing textile

**WHMIS Classification:** Organic polymer emulsion

## SECTION 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	Percentage	TLV (ppm)	CAS#
	10 – 50%		10450-60-9

## SECTION 3. HAZARDS IDENTIFICATION

### Main Constituent(s) Acute Toxicity

**Oral:** Harmful if swallowed – no data available. If ingested, main harmful effect would be the corrosive action of the solution on the stomach and digestive tracts.

**Skin:** Severe skin irritation and burning on contact

**Eye:** Severe eye irritation

## SECTION 4. FIRST AID MEASURES

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

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

**Inhalation:** Not applicable

**Ingestion:** Rinse mouth with water. Drink plenty of water. Call a physician or Poison Control Center IMMEDIATELY.

## SECTION 5. FIRE FIGHTING MEASURES

### Flammability Properties

**Flammability:** Non-flammable. Ignites combustible material on prolonged contact. Burning produces obnoxious and toxic fumes.

**Hazardous Combustion Products:** Not applicable

**Explosion Limits:** Not applicable

**Explosion Data:** Not applicable

**Extinguishing Media:** CO<sub>2</sub>, Dry powder, Foam, water spray, halons

**Special Fire Fighting Procedures:** In the event of fire, wear self-contained breathing apparatus. Wear suitable gloves and eye/face protection

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Procedure if Material is Spilled or Released:** Cover with dry lime, pick, keep in closed container for waste disposal, and avoid breathing vapors.

## SECTION 7. 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. Use adequate ventilation.

**Storage:** Keep away from combustible material, reducing agents and organic matter.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiration Protection:** Not required with normal adequate ventilation

**Ventilation:** Local mechanical room ventilation is expected to be satisfactory

### Personal Protective Equipment (PPE)

**Skin Protection:** Gloves needed to prevent repeated and prolonged contact with skin

**Eye Protection:** Safety goggles

**Footwear:** Sneakers

**Clothing:** Nitrile smock if available

**Respiratory Protection:** Not required with normal adequate ventilation

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** Clear, colorless to pale yellow with slight ozone odour

**Boiling Range °C:** 99.7

**Vapor Pressure (mm Hg @ 20°C):** 21.67

**Vapor Density (Air = 1):** 1

**Specific Gravity (Water = 1):** 1.095

**Solubility in water:** freely soluble in water

**Percent Volatile by volume:** 86

**Evaporation Rate (B.A.=1):** same as water

**pH:** <1

## SECTION 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at normal conditions

**Incompatibility:** Acid, reducing agents, combustible material

**Conditions of Reactivity:** Excessive heat. Do not store above 40°C. Protect from light. At excessive temperatures (>50°C), there is possible evolution of water and/or ozone vapours.

**Hazardous Decomposition:** Iodine

## SECTION 11. TOXICOLOGICAL INFORMATION

There is no known published data available for this product.

## SECTION 12. ECOLOGICAL INFORMATION

This product is not regarded as dangerous to the environment.

## SECTION 13. DISPOSAL CONSIDERATIONS

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

## SECTION 14. TRANSPORT INFORMATION

**Canadian TDG Shipping Description:** Oxidizing Liquid, Corrosive, N.O.S. (Periodic Acid) Class 5.1, UN3098, PK. Group III

## SECTION 15. 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.

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

**Note:** Not available

## SECTION 16. 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. Therefore the user must assume all risk.

**MSDS Prepared by:**

**SPI Scientific team**