

**UV Screen Printing Ink – ES Series**

**SECTION 1 – PRODUCT AND COMPANY INFORMATION**

Manufacturer:	ARIA Inks	
	1120, rue de l'Express	W H M I S C O D E S
	Terrebonne, Quebec	HEALTH 2
	J6W 5H2	FLAMMABILITY 1
	Tel: 450-966-9000	REACTIVITY 1
Products Name:	ES Series	
WHMIS		
Classification:	Most of the components are classified D2B.	
TDG classification:	Not regulated	
Chemical Name:	Not applicable	
Chemical Family:	Mixture of acrylic compounds	
Material Use:	Screen printing inks	
In case of an emergency call ARIA Inks (1-450-966-9000)		

**SECTION 2 – INFORMATION ON INGREDIENTS**

Components	%	CAS #	LD 50	LC 50
Acrylic resin	7-10	Trade Secret	NA	NA
Acrylic monomer	10-15	Trade Secret	5 g/kg	NA
Acrylic oligomer	10-60	Trade Secret	NA	NA
Acrylic monomer	10-15	Trade Secret	NA	NA
Vinylic monomer	10-15	Trade Secret	NA	NA

This ink series does not contain following dangerous components:

Component	Analytical values (mg/kg)	Maximum Value (mg/kg)
Antimonium	Not Detectable	60
Arsenic	Not Detectable	25
Barium	Not Detectable	1000
Cadmium	Not Detectable	75
Chromium	Not Detectable	60
Mercurium	Not detectable	60
Lead	Not Detectable	90
Selenium	Not Detectable	500

**SECTION 3 – HAZARDS IDENTIFICATION**

Routes of Entry: Skin-yes; eyes-yes; inhalation-yes; ingestion-possible;

Effects of Acute Exposure to Product

Acute Eye: May cause corneal injury.

Acute Skin: Can cause skin irritation with prolonged or repeated contact. Skin irritation may not occur immediately, exposure may go unnoticed. Some individuals may experience sensitization after repeated or prolonged contact.

Acute Inhalation: Low volatility makes vapour inhalation unlikely.

Acute Ingestion: Immediately seek medical assistance.

Effects of Chronic Exposure to Product

Long term exposure may result in dermatitis or respiratory sensitization.

**SECTION 4 – FIRST AID MEASURES**

Inhalation: If breathing difficulties or headache occurs due to overexposure, remove person to fresh air. If breathing persists to be difficult, get medical attention immediately.

Eye Contact: Flush with water for 20-30 minutes. Retract eyelids often. Obtain medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash immediately with soap and water for 20-30 minutes. If symptoms persist, seek medical attention.

Ingestion: Ingestion is unlikely. However, if ingested obtain medical attention.

**SECTION 5 – FIRE FIGHTING MEASURES**

Flammability: Non flammable; all components have flash points >212 F;

Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray, water

Flash Point: NA; all components have flash points > 212 F.

Flammability Limits: NA

Hazardous

Combustion

Products: Carbon monoxide and dioxide, nitrogen oxides, acrid fumes and smoke.

Auto Ignition

Temperature: NA

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Avoid prolonged exposure. Spill should be contained with inert material and disposed into suitable retaining area. Small volumes of liquid may be contained or absorbed into an appropriate absorbent.

**SECTION 7 – HANDLING AND STORAGE**

Store in a ventilated area. Do not exceed 27 deg.C. Keep containers closed when not in use. Avoid inhalation. Hands should be washed with soap and plenty of water after contact with UV materials. Do not drink or eat during work with UV materials. If skin contact occurs, immediately wash thoroughly with plenty of soap and water. Solvents should not be used for cleaning the hands or skin, as they increase the penetration of these materials into the skin.

Storage requirements: Store in a cool, well-ventilated area, between 15-27 deg C. Keep away from incompatibles. Do not handle or store near open flames, heat or other sources of ignition.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

Protection equipment is necessary. Neoprene gloves, safety glasses, protective clothing.

Respiratory: Use respiratory protection equipment is recommended.

Skin: Use neoprene gloves.

Eyes: Use appropriated protection glasses.

General mechanical ventilation may be sufficient to maintain safe vapour concentrations.

If general ventilation proves inadequate to maintain safe vapour concentration, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Liquid or paste (thixotropic)

Odour: Slightly acrylic odour

Vapour Pressure: NA

Vapour Density: NA

Evaporation Rate: NA

Boiling Point: Not applicable

pH: Not applicable  
Solubility in water: Insoluble  
Specific gravity: (water=1) approx. 1 (except white and white containing colours)

**SECTION 10 – STABILITY AND REACTIVITY**

Chemical Stability: Yes- under normal conditions.  
Conditions to Avoid: Heat and sun light; the product must be stored in a dry and dark area; the temperature must not exceed 27 deg. C.  
Substances to Avoid: Strong oxidizing agents, peroxides or other polymerisation initiators, strong acid or bases, metallic powders or pigments.  
Hazardous  
Decomposition  
Products: Carbon mono and dioxide, nitrogen oxides, other toxic fumes.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Routes of Entry: Skin-yes; eyes-yes; inhalation-yes; ingestion-possible;  
Acute Eye: May cause corneal injury.  
Acute Skin: Can cause skin irritation with prolonged or repeated contact.  
Acute Inhalation: Low volatility makes vapour inhalation unlikely.  
Acute Ingestion: Immediately seek medical assistance.  
Long term exposure may result in dermatitis or respiratory sensitization.

**SECTION 12 – ECOLOGICAL INFORMATION**

Not available any information regarding the environmental impact of this product. Do not deposit this product near the water sources, rivers or places where can come in contact with subterranean waters.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Keep away from all watercourses. Do not flush down storm or sanitary sewer. Dispose of in accordance with local, provincial and federal regulations.

**SECTION 14 – TRANSPORT INFORMATION**

No special shipping information available. This product is not considered as dangerous material for transport purposes.

**SECTION 15 – REGULATORY INFORMATION**

This product is not regulated or dangerous or hazardous or not restricted for transport by air.

According to present regulations this product was identified and labelled as non dangerous product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**SECTION 16 – OTHER INFORMATION**

All information contained in this document is based on our best knowledge and is considered as exact and valid. Nevertheless this document has not to be interpreted as warranty for the product performances or its properties and suitability for different applications. Aria Inks expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. Users are responsible to verify whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product.

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