

UV Flexographic Ink – MPFLEX Series
Section 1 - Manufacturer Information

Manufacturer:	ARIA Inks 1120, rue de l'Express Terrebonne, Quebec J6W 6K9 Tel: 450-966-9000	W H M I S C O D E S HEALTH 2 FLAMMABILITY 1 REACTIVITY 1
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Website: www.ariainks.com

Emergency contact info:	ARIA Inks 1-450-966-9000
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WHMIS classification:	Most of the components are classified D2B.
T.D.G. classification:	Not regulated
Chemical name:	Not applicable
Chemical family:	Mixture of acrylic compounds
Material use:	Flexographic inks

Section 2 - Hazardous Ingredients

	%	CAS #	LD 50	LC 50
Acrylic monomer	10-15	13048-33-4	5g/kg	NA
Acrylic oligomer	10-40	NA	NA	NA
Acrylic monomer	10-15	05888-33-5	NA	NA
Acrylic monomer	10-40	042978-66-5	NA	NA
Acrylic monomer	10-20	48145-04-6	5.19g/kg	NA

Section 3 – Physical Data

Physical state:	Liquid
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 4 – Fire and Explosion Data

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 5 - Reactivity Data

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 6 - Toxicological Properties

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.

January 1, 2014

Acute inhalation: Low volatility makes vapour inhalation unlikely; aerosol can be irritating

Acute ingestion: Seek immediately medical assistance

Effects of Chronic Exposure to Product

Long term exposure may result in dermatitis or respiratory sensitization. Use the ink only in well ventilated areas.

Section 7 - Preventive Measures

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

Leak and spill procedure: 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.

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

Handling procedure and equipment: 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.

Shipping information: No special shipping information available.

Section 8 - 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 9 - Preparation

Prepared by: Radu Paul, Head Chemist

Preparation Date: January 1st, 2014