

Revision date: Novemeber 2016

Revision version# Rev. 2

SAFETY DATA SHEET Mcor Cyan Ink

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Mcor Cyan Ink

1.2. Relevant identified uses of the substance or mixture

Mcor ARKe Inkjet Cartridge

1.3. Details of the supplier of the safety data sheet

Mcor Technologies Ltd
Unit 1, IDA Business Park
Ardee Road, Dunleer,
Co Louth, Ireland
Email: Info@mcortechnologies.com

1.4. Emergency telephone number

+353 41 68 62800 This telephone number is available during office hours only

SECTION 2: HAZARD IDENTIFICATION

Hazard Information: Primary Routes of Exposure: Skin contact, ingestion

Inhalation: If ink mist is inhaled, respiratory tract irritation may occur. No known significant effects or critical hazards. Exposure not probable with intended use.

Skin Contact: Not an irritant. Not a dermal sensitizer. No known significant effects or critical hazards.

Eye Contact: Irritating to eyes.

Ingestion: Low acute oral toxicity. Chronic toxicological testing of the ink formulation has not been performed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent (wt.)	CAS Number	OSHA PEL	ACGIH TLV
Water	70-85	7732-18-5	None	None

MCOR CYAN INK SAFETY DATA SHEET

Water Soluble Organic Solvent	3-7	NJTSRN 80100451-5054	None	None
Water Soluble Organic Solvent	3-7	NJTSRN 80100451-5051	None	None
Water Soluble Organic Solvent	3-7	NJTSRN 80100451-5055	None	None
Pigment	1-5	NJTSRN 80100451-5007	None	None

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact: Do not rub soap with water. Flush with large amounts of clean water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Wash with soap and water. Should irritation occur, seek medical attention

Inhalation: If symptoms, such as shortness of breath or persistent coughing are experienced, remove source of contamination and move individual to fresh air. If symptoms persist, seek medical attention.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Method Used): Solid. Ink >200 °C

Flammable Limits: Not Determined

Extinguishing Media: Use Water Spray, Dry Chemical, Foam or Carbon Dioxide

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, unidentified organics

Special Fire Fighting Procedures: NIOSH approved self-contained breathing apparatus may be required if large amounts of ink are involved.

NFPA Rating: Health: 1 **Flammability:** 1 **Reactivity:** 0

HMIS Classification: Health: 1 **Flammability:** 1 **Reactivity:** 0

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Wear latex, vinyl, or nitrile gloves to prevent staining of skin.

Environmental Precautions: Unless specifically permitted for disposal, keep waste out of sewers, watersheds, and waterways. Disposal is subject to national, state, regional, or provincial regulations

Procedure for Cleaning/Absorption: Absorb small spills with cloth or paper towels or other suitable material. Place in container for disposal. For large spills, dike around spill with absorbent material. Wash spill site with soap and water after material pickup is complete. Disposal is subject to federal, state, local, or provincial regulations.

SECTION 7: HANDLING AND STORAGE

General: Keep from freezing. To avoid damage to cartridge and accidental contact with ink, keep out of reach of children.

Storage: Store in a cool, dry place. Store away from oxidising material.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Clothing: Not required under normal conditions of use

Eyes: Not required under normal conditions of use

Respiration: Not required under normal conditions of use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Colour: Cyan

Form: Liquid

Odour: Faint

Solubility in Water: Fully Miscible

SECTION 10: STABILITY&REACTIVITY

Stability: Stable

Conditions to Avoid: None known.

Hazardous Polymerization: Will not occur.

Materials to Avoid: Reactive or incompatible with the following materials: oxidising materials

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, unidentified organics.

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Routes of Exposure: Inhalation of vapors, skin contact.

Ingestion: Low acute oral toxicity. Exposure not probable with intended use.

Acute Toxicity Oral Rat LD50 (mg/kg): >2000

Inhalation: Low acute inhalation toxicity. As with exposure to high concentrations of any mist, minimal irritation of the respiratory tract may occur.

Aggravated Conditions: None known

SECTION 12: ECOLOGICAL INFORMATION

Decomposition products may include the following materials: carbon oxides (CO, CO₂). Some metal oxides

SECTION 13: DISPOSAL INFORMATION

Waste Disposal: This product is not a listed hazardous waste in accordance with Federal Regulation 40 CFR Part 261. If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material has been contaminated and should be classified as a hazardous waste. Disposal is subject to local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Not regulated by any transport mode.

SECTION 15: REGULATORY INFORMATION

TSCA (USA): All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory, have been registered, or are exempt.

SARA / EPCRA (USA): None of the ingredients in this product has a final reportable quantity (RQ) under Emergency Planning and Community Right-to Know Act (EPCRA)- Section 302: Extremely Hazardous Substances (EHS) or notification requirements for EHS under Section 304.

California Proposition 65: This product contains no known materials at levels which the State of California has found to cause cancer, birth defects or other reproductive harm - California

Proposition 65. DSL (Canada): All ingredients are listed on the Canadian Domestic Substances List (DSL), have been registered on the Non-Domestic Substances List (NDSL), or are exempt.

AICS (Australia): All ingredients are listed in Australian Inventory of Commercial Substances (AICS), have been registered, or are exempt.

PICCS (Philippines): All ingredients are listed on the Philippines Inventory (PICCS) or are exempt.

IECSC (China): All ingredients are listed on the Chinese Inventory (IECSC) or are exempt.

ENCS (Japan): All ingredients are listed on the Japanese Existing and New Chemical Substances (ENCS) list, have been registered, or are exempt.



MCOR CYAN INK SAFETY DATA SHEET

ECL (Korea): All ingredients are listed on the Korean Existing Chemicals List (ECL), have been registered, or are exempt.

SECTION 16: OTHER INFORMATION

No data available

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, Mcor Technologies does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Mcor Technologies hereunder are given gratis and Mcor Technologies assumes no obligation or liability for the description, designs, data, and information given, all such being given and accepted at your risk.

Date: November, 2016