

Revision date: Novemeber 2015

Revision version# Rev. 2

**SAFETY DATA SHEET** Mcor Black Ink

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

**1.1. Product identifier**

Product name: Mcor Black 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](mailto: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 adverse chronic effects known.

**Skin Contact:** Not an irritant. No adverse chronic effects known. Not a dermal sensitizer.

**Eye Contact:** Not an irritant. No adverse chronic effects known.

**Ingestion:** Low acute oral toxicity. Chronic toxicological testing of the ink formulation has not been performed. Based on component characteristics, liver, kidney, and CNS effects are possible if large quantities of ink are ingested.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| Ingredients | Percent (wt.) | CAS Number | OSHA PEL | ACGIH TLV |
|-------------|---------------|------------|----------|-----------|
| Water       | 75-85         | 7732-18-5  | None     | None      |



MCOR BLACK INK SAFETY DATA SHEET

|                                                       |      |              |                                                                                   |                                 |
|-------------------------------------------------------|------|--------------|-----------------------------------------------------------------------------------|---------------------------------|
| Glycerol                                              | 5-10 | 85-81-5      | 15mg/m <sup>3</sup> TWA (Total Dust)<br>5 mg/m <sup>3</sup> TWA (Respirable Dust) | 10 mg/m <sup>3</sup> TWA (Mist) |
| Water Soluble Organic Solvent<br>NJTSRN 80100451-5013 | 1-5  | Trade Secret | None                                                                              | None                            |
| Water Soluble Organic Solvent<br>NJTSRN 80100451-5051 | 1-5  | Trade Secret | None                                                                              | None                            |
| Carbon Black                                          | 1-5  | 1333-86-4    | 3.5 mg/m <sup>3</sup> TWA                                                         | 3.5 mg/m <sup>3</sup> TWA       |

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Eye Contact:** 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. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point (Method Used):** >200 °F

**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.

**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.

**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.

**Storage:** Store in a cool, dry place.

#### SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

**Clothing:** Gloves, coveralls, apron, boots as necessary to prevent staining of skin.

**Eyes:** Safety glasses with side shields.

**Respiration:** None required

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Colour:** Black      **Form:** Liquid      **Odour:** Faint      **Specific Gravity (Water=1):** 1

**Boiling Point:** 98°C      **Freezing Point:** -8°C      **Solubility in Water:** Fully Miscible

#### SECTION 10: STABILITY&REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** None known.

**Hazardous Polymerization:** Will not occur.

**Materials to Avoid:** None known

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

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Primary Routes of Exposure:** Ingestion, skin contact.

**Ingestion:** Low acute oral toxicity.

**Acute Toxicity Oral Rat LD50 (mg/kg):** Not tested



## MCOR BLACK INK SAFETY DATA SHEET

**Inhalation:** Low acute inhalation toxicity. Pure carbon black, a minor component of this product, has been listed by IARC as a group 2B (possible carcinogen). This classification is based on rat "lung particulate overload" studies performed with airborne particulate carbon black. Ink is not listed by IARC, NTP, or OSHA.

**Aggravated Conditions:** None known

### SECTION 12: ECOLOGICAL INFORMATION

No applicable data for this section

### 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 classified as a hazardous material or substance under US DOT.

### 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 BLACK 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