

**Inkfinity SP4 Ink Cartridge**

**SECTION 1: IDENTIFICATION**

**Product Identifier:** Inkfinity SP4 Ink Cartridge  
**Other Means of Identification:** N/A  
**Recommended Use:** Industrial Marking Ink  
**Restrictions on Use:** None known  
**Supplier Identifier:** Sterling Marking Products Inc., 349 Ridout Street North, London, ON  
 Canada N6A 2N8 1-800-265-5957, 519-434-5785  
**Emergency Phone Number:** CANUTEC (613) 966-6666, Cellular \*666

**SECTION 2: HAZARD IDENTIFICATION**

*Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the U.S. Hazardous Communication Standard (HCS 2012)*

**Classification**

Serious Eye Damage/Eye irritation – Category 2; Acute Hazards to the Aquatic Environment – Category 3

**Label Elements:**



**Signal Word:** Warning

**Hazard Statements:**

Causes serious eye irritation  
 May cause long-term adverse effects in aquatic environments

**Precautionary Statements:**

Wear protective gloves and eye protection  
 Wash hands and skin thoroughly after handling  
 Avoid release to the environment  
 If in eyes, flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur consult a physician, preferably an ophthalmologist.

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

Chemical Name	CAS Number	Percentage (%)	Other Identifiers
Carbon Black	1333-86-4	<5%	Not Applicable
Black Dye	Confidential	<10%	Not Applicable
2-Pyrrolidone	616-45-5	< 15%	Not Applicable
Water	7732-18-5	>60%	Not Applicable
Glycol	Confidential	<10%	Not Applicable

**Note:** All ingredients are listed on the Domestic Substances List (DSL) and the Toxic Substances Control Act (TSCA) list.

**This product is intended for industrial use only.**

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur consult a physician, preferably an ophthalmologist.

**Skin Contact:** Immediately wash affected area with soap and water for at least 15. Remove contaminated clothing and laundry before reuse.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

**Ingestion:** Do **NOT** induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**Notes to Physician:** No specific antidote. Treatment based on sound judgement of physician and individual reactions of patient. First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection).

**SECTION 5: FIRE-FIGHTING MEASURES****Extinguishing Media****Suitable Extinguishing Media:**

Use dry chemical, carbon dioxide, water spray or foam.

**Fire Fighting Procedures**

Use water spray to cool fire-exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapours. Avoid spraying water directly into storage containers due to danger of boil-over. Fight fire from the windward side if possible.

**Specific Hazards arising from the Product:** N/A

**Hazardous Decomposition/Combustion Materials (under fire conditions):**

The smoke may contain unidentified toxic and/or irritating compounds. Carbon monoxide. Carbon dioxide.

**Special Protective Equipment:**

Fire fighters should wear full protective clothing including self-contained breathing equipment.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Precautionary Measures:**

Wear appropriate protective equipment.

**Environmental Precautionary Measures:**

Prevent entry into sewers or streams, dike if needed.

**Procedure for Clean-up:**

Eliminate all ignition sources. Small spills can be flushed with large amounts of water; larger spills should be collected for disposal. Absorb with an inert dry material and place in an appropriate waste disposal container. Collect liquid with explosion-proof pumps.

**SECTION 7. HANDLING AND STORAGE****Precautions for Safe Handling:**

Avoid contact with eyes, skin and clothing. Avoid breathing vapour. Keep the containers closed when not in use. Use with adequate ventilation. Never use air pressure for transferring product

**Conditions for Safe Storage:**

Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Keep containers tightly closed. Store in accordance with good industrial practice.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION****Control Parameters**

No exposure limit has been established.

**Appropriate Engineering Controls:**

Local exhaust ventilation as necessary to maintain exposure to within acceptable limits.

**Personal Protective Equipment**

**Respiratory Protection:** If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator. For concentrations exceeding the recommended exposure limit, use NIOSH-approved air purifying respirator.

**Gloves:** Use gloves chemically resistant to this material.

**Skin Protection:** Skin contact should be prevented through use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance. Impervious clothing, Impervious boots.

**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work station location.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid

**Colour:** Black

**Odor:** No strong odor

**pH:** 8.6 – 10.6

**Specific Gravity:** Not available

**Flash Point:** Not detected. This material will not burn.

**Boiling Point:** Not available

**Freezing/Melting Point:** Not available

**Vapour Pressure:** Not available

**Vapour Density:** Not available

**% Volatile by Volume:** Not available

**Evaporation Rate:** Not available

**Solubility:** Colourant insoluble

**VOCS:** Not available

**Viscosity:** Not available

**Molecular Weight:** Not available

**Other:** Not available

**SECTION 10: STABILITY AND REACTIVITY****Reactivity:**

Not reactive.

**Chemical Stability:**

Stable.

**Hazardous Polymerization:**

Will not occur.

**Conditions to Avoid:**

Avoid extreme high or low temperatures. Acid or strong oxidizer can cause a reaction.

**Materials to Avoid:**

Oxidizing materials. Strong acids or bases.

**Hazardous Decomposition Products:**

Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide, Nitrogen oxides

**Additional Information:**

No additional remarks.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity**

Components	Test	Result
2-Pyrrolidone (CAS 616-45-5)	LD50 / Oral / Guinea Pig	6,500 mg/kg
	LD50 / Oral / Rat	6,500 mg/kg

**Likely Routes of Exposure:**

**Ingestion:** N/A

**Skin Contact:** No Information

**Inhalation:** Exposure may cause adverse effects.

**Eye Contact:** Reversible effect was observed to eye. (IUCLID) [2-Pyrrolidone]

**Additional Information:**

**Carcinogenicity:** Carbon Black is classified as a Group 2B by IARC on carcinogen. However, printing ink is classified as a Group 3 by IARC.

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/Teratogenicity/Embryotoxicity/Mutagenicity:** Not known.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Components	Test	Result	Partition Coefficient
2-Pyrrolidone (CAS 616-45-5)	EC50 (48h, Daphnia)	13.21 mg/l	n-octanol/water: -0.85

**Ecotoxicological Information:**

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Other Information:**

None available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

**SECTION 14: TRANSPORT INFORMATION****DOT (U.S.):****DOT Shipping Name:** Printing Ink**DOT Hazardous Class:** Not regulated as a Hazardous Material.**DOT UN Number:** N/A**DOT Label:****DOT Packing Group:****DOT Reportable Quantity (lbs):****Note:** No additional remarks.**Marine Pollutant:** Yes.**TDG (Canada):****TDG Shipping Name:** Printing Ink**Hazard Class:** Not regulated as a Hazardous Material**UN Number:****Packing Group:****Note:** No additional Remarks**Marine Pollutant:** Yes.**SECTION 15: REGULATORY INFORMATION****U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.**Note:** Not available.**WHMIS Hazardous Class:**

Acute Toxicity

**SECTION 16: OTHER INFORMATION****Additional Information:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.**Disclaimer:** NOTICE TO READER: Sterling Marking Products Inc. disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or the information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

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*End of SDS.*