

## Inkfinity NPX-4 Ink Cartridge

**SECTION 1: IDENTIFICATION**

<b>Product Identifier:</b>	<b>Inkfinity NPX-4 Ink Cartridge</b>
<b>Other Means of Identification:</b>	Part Number 600600693
<b>Recommended Use:</b>	Industrial Marking Ink
<b>Restrictions on Use:</b>	None known
<b>Supplier Identifier:</b>	Sterling Marking Products Inc., 1147 Gainsborough Road, London, ON Canada N6H 5L5 1-800-265-5957, 519-434-5785
<b>Emergency Phone Number:</b>	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**

Flammable Liquid – Category 2; Serious Eye Damage/Eye irritation – Category 2; Acute Toxicity (Oral, Dermal & Inhalation: vapour) – Category 3; Single Target Organ Toxicity, Single Exposure – Category 3; Single Target Organ Toxicity, Single Exposure – Category 1; Acute Hazards to the Aquatic Environment – Category 3

**Label Elements:**

**Signal Word: Danger**

**Hazard Statements:**

H225: Highly flammable liquid and vapour

H301: Toxic if swallowed

H311: Toxic in contact with skin

H331: Toxic if inhaled

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

H370: Causes damage to organs

H412: Harmful to aquatic life with long-lasting effects

EUH066: Repeated exposure may cause skin dryness or cracking.

**Precautionary Statements:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

Use outdoors or in a well-ventilated area.

Wear protective gloves, clothing and eye protection

Wash hands and skin thoroughly with soap and water 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.

If swallowed, 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. Rinse mouth.

**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 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percentage (%)	Other Identifiers
Methyl Ethyl Ketone	78-93-3	>29%	Not Applicable
Black Dye	Confidential	<10%	Not Applicable
Acetone	67-64-1	<6%	Not Applicable
Methanol	67-56-1	>30%	Not Applicable
Ethyl Acetate	141-78-6	<5%	Not Applicable
Isopropyl Alcohol	67-63-0	<5%	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.**

**This product contains organic solvents.**

### 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 launder before reuse.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention. Immediately call a Poison Centre or doctor/physician.

**Ingestion:** This material is toxic in small amounts orally and can cause adverse health effects or death. This material contains Methanol which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to total blindness and possible death. 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, alcohol resistant foam, 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. Use non-sparking tools. 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. Do not get in eyes or on skin or clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking. Wear protective gloves, clothing and eye protection. Wash hands and skin thoroughly with soap and water after handling. Do not breath vapour, mist or spray. Avoid release to the environment.

**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**

Chemical Name	CAS Number	U.S. ACGIH	U.S. NIOSH	U.S. OSHA
Methyl Ethyl Ketone	78-93-3	TWA: 200 ppm	STEL: 300 ppm	PEL: 200 ppm
Acetone	67-64-1	TWA: 250 ppm	TWA: 250 ppm	PEL: 1,000 ppm
Ethyl Acetate	141-78-6	TWA: 400 ppm	TWA: 400 ppm	TWA: 400 ppm
Isopropyl Alcohol	67-63-0	TWA: 200 ppm	TWA: 400 ppm	TWA: 400 ppm

**Control Parameters**

No exposure limit has been established unless noted above.

**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. Provide eyewash station.

**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, aqueous  
**Colour:** Black  
**Odor:** Alcohol  
**pH:** 2.99  
**Specific Gravity:** Not available  
**Flash Point:** >17°C.  
**Boiling Point:** >No data available  
**Freezing/Melting Point:** Not available  
**Vapour Pressure:** Not available  
**Vapour Density:** Not available  
**% Volatile by Volume:** Not available  
**Evaporation Rate:** Not available  
**Solubility:** Slightly soluble  
**VOCS:** Not available  
**Viscosity:** 1.4± 0.2 cps  
**Molecular Weight:** Not available  
**Other:** Not available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:**

Reacts violently with strong oxidizers. Increased risk of fire or explosion.

**Chemical Stability:**

Highly flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

**Hazardous Polymerization:**

Will not occur.

**Conditions to Avoid:**

Avoid extreme high or low temperatures. Acid or strong oxidizer can cause a reaction. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

Use outdoors or in a well-ventilated area.

**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
Methyl Ethyl Ketone (CAS 78-93-3)	LD50 / Oral / Rat	2,054 mg/kg
Methanol (CAS 67-56-1)	LD50 / Oral / Rat	1,400 mg/kg
Acetone (CAS 67-64-1)	LD50 / Oral / Rat	5,800 mg/kg
Ethyl Acetate (CAS 141-78-6)	LD50 / Oral / Rat	5,620 mg/kg
Isopropyl Alcohol (CAS 67-63-0)	LD50 / Oral / Rat	4,710 mg/kg

**Likely Routes of Exposure:**

**Ingestion:** This material is toxic in small amounts orally and can cause adverse health effects or death. This material contains Methanol which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to total blindness and possible death.

**Skin Contact:** This material is toxic in small amounts through skin contact and can cause adverse health effects or death. This material may be absorbed through the skin or eyes.

**Inhalation:** High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache and similar narcotic symptoms. Inhalation of this material can cause serious health effect in small amounts leading to unconsciousness and death.

**Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Additional Information:**

**Carcinogenicity:** Not determined.

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

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

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Components	Test	Result
Methyl Ethyl Ketone (CAS 78-93-3)	EC50 (daphnia)	1,340 mg/l
Methanol (CAS 67-56-1)	EC50 (48h, daphnia)	520 mg/l
Acetone (CAS 67-64-1)	EC50 (48h, daphnia)	1,679.66 mg/l
Ethyl Acetate (CAS 141-78-6)	EC50 (48h, daphnia)	560 mg/l
Isopropyl Alcohol (CAS 67-63-0)	EC50 (48h, daphnia)	13,299 mg/l

**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:** Waste is classified as Hazardous waste. 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:** Class 3, Flammable liquids

**DOT UN Number:** 1210

**DOT Label:** Flammable Liquid 3

**DOT Packing Group:** II

**DOT Reportable Quantity (lbs):**

**Note:** No additional remarks.

**Marine Pollutant:** Yes.

**TDG (Canada):**  
**TDG Shipping Name:** Printing Ink  
**Hazard Class:** Class 3, Flammable liquids  
**UN Number:**  
**Packing Group:** II  
**Note:** No additional Remarks  
**Marine Pollutant:** No.

## 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:**

Flammable Liquid – Category 2; Serious Eye Damage/Eye irritation – Category 2; Acute Toxicity (Oral, Dermal & Inhalation: vapour) – Category 3; Single Target Organ Toxicity, Single Exposure – Category 3; Acute Hazards to the Aquatic Environment – Category 3

## 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.

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*End of SDS.*