

MSDS Reference Number(s):

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

**Material Name Identifier:**

**P1 Black 42cc**  
**Other Name: Inkfinity-P1 Black 42cc**

Supplier Name: Sterling Marking Products Inc.      Webpage: <http://www.sterling.ca>  
 Street Address: 349 Ridout St. N.,      P.O. Box 5055  
 City and Province: London, Ontario      Postal Code: N6A 5S4  
 Telephone Numbers: (519) 434-5785, (800) 265-5957      Fax Number: (519) 434-9516, (800) 667-6600  
 Emergency Telephone Number: Poison Control Centre \_\_\_\_\_

Material Use: **Inkjet printing**

**TDG Shipping Information:**

**Not regulated**

**WHMIS Classification:**

Class D, Division 2B - Skin/Eye Irritant

**IATA Shipping (Air):**

Not regulated

**HMS Ratings:**

Health: 1 Flammability: 2 Physical hazard: 0

**NFPA Ratings:**

Health: 1 Flammability: 2 Instability: 0

**SECTION II - HAZARDOUS INGREDIENTS**

Component	CAS Registry	Toxicology	Concentration % (w/w)
Water	7732-18-5	ACGIH TLV-TWA: Not Available	> 70
2-pyrrolidone	616-45-5	ACGIH TLV-TWA: Not Available	< 15
Carbon Black	1333-86-4	ACGIH/OSHA TLV-TWA: 3.5mg/m <sup>3</sup> TWA	< 5
Isopropyl Alcohol	67-63-0	OSHA TWA: 400ppmTWA; 980 mg/m <sup>3</sup> TWA	< 5

**SECTION III - PHYSICAL DATA**

pH: 7.8 – 8.4	Boiling Point (°C): >200 F (>93.3°C)
Specific Gravity: 1.0 – 1.2 g/ml	Odour: Slight amine
Colour: Black	Solubility: Soluble in water
VOC content: < 3%	Flash Point (°C): > 55 – 57.8
Vapour Density: > 1 (air = 1.0)	Vapour Pressure: Not determined
Evaporation Rate: No information available	

**SECTION IV - FIRE AND EXPLOSION DATA**



Flammability: See section I  
Flash Point (°C TCC): > 55 – 57.8  
LEL (% vol) lowest value of components: Not established  
UEL (% vol) highest value of components: Not established  
Hazardous Combustion Products: Carbon Monoxide and Carbon Dioxide  
Means of Extinction: Carbon dioxide, dry chemical, alcohol foam

## SECTION V - REACTIVITY DATA

Stability: Stable  
Incompatibility: Strong bases and oxidizing agents, strong acids and base  
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, nitrogen oxides, low molecular weight hydrocarbons.

## SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin, Inhalation, Ingestion  
Effects of Acute Exposure:  
**Eye:** Contact with eyes may result in severe irritation.  
**Skin:** May result in skin irritation.  
**Inhalation:** May result in respiratory irritation. May cause drowsiness or dizziness.  
**Ingestion:** May result in nausea, vomiting and diarrhea.  
Effects of Chronic Exposure:  
**Skin:** Insufficient data available  
**Inhalation:** Insufficient data available  
**Irritancy:** Hazardous by WHMIS criteria  
**Respiratory Tract Sensitization:** Insufficient data available  
**Carcinogenicity:** Carbon black is classified by the IARC as a group 2B carcinogen, possibly carcinogenic to humans  
**Synergistic Materials:** No information available  
**Reproductive Effects:** Insufficient data available  
**Teratogenicity:** Insufficient data available  
**Mutagenicity:** Insufficient data available

## SECTION VII - PREVENTATIVE MEASURES

**Gloves:** Solvent impermeable gloves are required for repeated or prolonged contact.  
**Eye Protection:** Wear safety glasses meeting the specification of ANSI Z87.1 where no contact with the eye is anticipated.  
Chemical safety goggles meeting the specifications of ANSI Z87.1 should be worn whenever there is a possibility of splashing or other contact with the eyes.  
**Respiratory Protection:** Proper selection of respiratory protection depends upon many factors, including duration and level of exposure and conditions of use. In general, exposure to organic chemicals, such as those contained in this product, may not require the use of respiratory protection, if used in a well-ventilated area. In areas of restricted ventilation, a NIOSH approved organic vapour respirator may be required. Under certain conditions, such as spraying, a mechanical pre-filter may also be required. In confined areas, or in high exposure situations, a NIOSH/MSHA approved air-supplied respirator may be required.  
**Other Protective Equipment:** As necessary to avoid prolonged contact.  
**Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Showers. Eyewash stations. .  
**Leak and Spill Procedure:** Before attempting clean-up, refer to hazard data given above. Keep spectators away. Eliminate all ignition sources. Dike and contain small spills with an inert material and placed in suitable, covered labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.  
**Waste Disposal:** Review federal, provincial and local government requirements prior to disposal.  
**Storage Requirements:** Store in a tightly closed container. Store away from incompatible materials. Store in a cool, dry, well-ventilated area. Ensure storage area has adequate ventilation and no source of open flame or sparks. Limit quantity of the material in storage. Ensure all bottles are properly labeled.

**SECTION VIII - FIRST AID**

Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Eye:** Immediately flush eyes with a directed stream of water for atleast 15 minutes, while holding eyelids open. If irritation or redness develops or persists, get medical attention.

**Skin:** Flush affected areas with large amounts of water, remove contaminated clothing. Wash affected areas thoroughly with soap and water. If irritation or redness develops or persists, get medical attention.

**Inhalation:** Remove victim to fresh air. If breathing difficulties develop, administer oxygen and get medical attention. If victim is not breathing, administer artificial respiration and get medical attention.

**Ingestion:** DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs (Aspiration pneumonitis can be fatal). If victim conscious and alert, give victim lukewarm water. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. GET IMMEDIATE MEDICAL ATTENTION.

**SECTION IX - PREPARATION AND ADDITIONAL INFORMATION**

**Prepared by:** Sterling Marking Products Inc.  
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**Expires: 14-Dec-2015**

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that user of this material has been fully trained according to the mandatory requirements of WHMIS. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).