

Part Number(s): 1150B

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

**Material Name Identifier:**

**1150 Universal Black Ink**

Supplier Name: Sterling Marking Products Inc.  
 Street Address: 349 Ridout St. N.,  
 City and Province: London, Ontario  
 Postal Code: N6A 2N8

Telephone Numbers: (519) 434-5785, (800) 265-5957  
 Fax Number: (519) 434-9516, (800) 667-6600  
 Webpage: <http://www.sterling.ca>

**Emergency Telephone Number: CANUTEC (613) 996-6666; Cellular \*666**

Material Use: **Ink**

**TDG Shipping Information:**

**Not regulated**

**WHMIS Classification:**

Class D, Division 1B – Acutely Toxic

**IATA Shipping (Air):**

Not regulated

**NFPA Ratings:**

Health: 2; Fire: 1; Reactivity: 0

**NFPA Ratings:**

Health: 2; Flammability: 1; Reactivity: 0

**SECTION II - HAZARDOUS INGREDIENTS**

Component	CAS Registry	Toxicology	Concentration % (w/w)
Diethylene glycol	<b>111-46-6</b>	TLV: Not Available LD50: 12565mg/kg (oral, rat) LC50: Not Available	80-100

**SECTION III - PHYSICAL DATA**

**Physical State:** Liquid  
**Specific Gravity:** Not determined  
**Colour:** Black  
**Viscosity:** Not determined  
**Solids Content:** 5.4%

**Organic Solvents Content:** 94.4%  
**Boiling Point (°C):** 245  
**Odour:** Characteristic  
**Solubility in Water (20 °C):** Fully miscible  
**Flash Point (°C):** 146

**SECTION IV - FIRE AND EXPLOSION DATA**

**Flammability:** Not self-igniting

**Flash Point (°C TCC):** 146

LEL (% vol) lowest value of components:

UEL (% vol) highest value of components:

**Hazardous Combustion Products:** Oxides of carbon, oxides of nitrogen, and other organic combustion products

**Means of Extinction Fire:** Dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

#### SECTION V - REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** None known

**Hazardous Decomposition Products:** No dangerous decomposition products known.

#### SECTION VI - TOXICOLOGICAL PROPERTIES

**Routes of Entry:** Eye, Skin, Inhalation, Ingestion

Effects of Acute Exposure:

**Eye:** May cause slight irritation.

**Skin:** May cause slight irritation.

**Ingestion:** Harmful if swallowed. Gastrointestinal effects.

Effects of Chronic Exposure:

Diethylene glycol is a nephrotoxin (a cytotoxin that is destructive to kidney cells).

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Repeated and prolonged overexposure, and/or individual sensitivity, may increase the potential for, and degree of, adverse health effects.

**Irritancy:** Hazardous by WHMIS criteria

**Respiratory Tract Sensitization:** Not established.

**Carcinogenicity:** Not hazardous by WHMIS criteria

**Synergistic Materials:** Not established.

**Reproductive Effects:** Not established.

**Teratogenicity:** Not established.

**Mutagenicity:** Not established.

#### SECTION VII - PREVENTATIVE MEASURES

**Gloves:** Solvent impermeable gloves are required for repeated or prolonged contact.

**Eye Protection:** Wear safety glasses where contact with the eye is anticipated. Chemical safety goggles should be worn whenever there is a possibility of splashing or other contact with the eyes.

**Respiratory Protection:** None required.

**Other Protective Equipment Recommended:** None

**Leak and Spill Procedure:** Do not allow product to reach sewage system or any water course. Prevent seepage into sewage system, workpits and cellars. Inform respective authorities in case of seepage into water course or sewage system. Absorb with liquid-binding material (e.g. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as below.

**Waste Disposal:** Review federal, provincial and local government requirements prior to disposal. Use a licensed waste treatment facility or reclaimer.

**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.

**Special Precautions:** Ground all equipment to prevent static discharge. Keep containers away from heat, sparks, and open flame. Wash thoroughly with soap and water after handling material.

## 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 at least 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. GET IMMEDIATE MEDICAL ATTENTION.

## SECTION IX - PREPARATION AND ADDITIONAL INFORMATION

**Prepared by:** Sterling Marking Products Inc.  
Quality Planning and Engineering Department  
349 Ridout St., N.  
London, Ontario N6A 2N8

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Updated: March 13, 2015

**Expires: 13-March-2018**

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).