

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

Part Numbers: MJ1-1, MJ1-5

**Material Name Identifier:**

**Midjet 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 2B - Skin/Eye Irritant

**IATA Shipping (Air):**

Not regulated

**SECTION II - HAZARDOUS INGREDIENTS**

Component	CAS Registry	Toxicology	Concentration % (w/w)
Dipropylene glycol monomethyl ether	34590-94-8	ACGIH TLV-TWA 100 ppm; STEL 150 ppm (skin) L <sub>D</sub> 50: 5.5 mL/kg (oral, rat) L <sub>C</sub> 50: Not available	5-10
Ethylene glycol	107-21-1	ACGIH TLV-CL 100 mg/m <sup>3</sup> (aerosol) L <sub>D</sub> 50: 4700mg/kg (oral, rat) L <sub>C</sub> 50: 10876mg/kg (inhalation, rat)	10-30
Marlophen NP9	37205-87-1	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	1-5
Water (Deinised)	7732-18-5	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	50-70

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

**SECTION III - PHYSICAL DATA**

Physical State: Liquid  
 Specific Gravity: 0.95-1  
 Colour: Black  
 Viscosity: As water  
 Clarity: Opaque

% Volatile: Not available  
 Boiling Point (°C): 100  
 Odour: Solvent  
 Solubility in Water (20 °C):  
 Flash Point (°C): >120

**SECTION IV - FIRE AND EXPLOSION DATA**

Flammability: Not flammable

Flash Point (°C TCC): >120

LEL (% vol) lowest value of components: Not available  
UEL (% vol) highest value of components: Not available  
Hazardous Combustion Products: Oxides of carbon  
Means of Extinction: Carbon dioxide, dry chemical, alcohol foam

## SECTION V - REACTIVITY DATA

Stability: Stable  
Incompatibility: Oxidizing materials  
Hazardous Decomposition Products: Oxides of carbon.

## SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin, Inhalation, Ingestion  
Effects of Acute Exposure:  
**Eye:** Can cause irritation, redness, tearing and blurred vision.  
**Skin:** Prolonged or repeated contact can cause minor skin irritation.  
**Inhalation:** Excessive inhalation of vapours can cause nasal and respiratory irritation.  
**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
Effects of Chronic Exposure:  
**Skin:** Prolonged or repeated contact can cause minor skin irritation.  
**Inhalation:** Excessive inhalation of vapours can cause nasal and respiratory irritation.  
**Irritancy:** Hazardous by WHMIS criteria  
**Respiratory Tract Sensitization:** Insufficient data available  
**Carcinogenicity:** Not hazardous by WHMIS criteria  
**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:** None required.  
**Other Protective Equipment:** As necessary to avoid prolonged contact.  
**Engineering Controls:** None required.  
**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 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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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).