

Part Number(s): 1500B

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

**Material Name Identifier:**

**1050 Ink (All Colours), Other Name:1500 Opaque Ink**

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: **Ink**

**TDG Shipping Information:**

**Toxic Liquid, Organic, N.O.S. (contains Xylenol, Cresylic Acid); UN2810; Class 6.1; PG III**

**WHMIS Classification:**

Class B, Division 3 - Combustible Liquids  
 Class E - Corrosive Material

**IATA Shipping (Air):**

Toxic Liquid, Organic, N.O.S. (contains Xylenol, Cresylic Acid)

**Packaging Instruction for Limited Quantity:** Y611

**Maximum Net Quantity** (per outer package): 2 L

Refer to Pkg. Inst. No. for inner package type and maximum quantity per inner package.

**SECTION II - HAZARDOUS INGREDIENTS**

Component	CAS Registry	Toxicology	Concentration % (w/w)
Cresol	<b>1319-77-3</b>	TLV: Not available L <sub>D</sub> 50: 1454mg/kg (oral, rat) L <sub>C</sub> 50: Not available	30-35
1,2-Propylene glycol	<b>57-55-6</b>	TLV: Not available L <sub>D</sub> 50: >10g/kg (oral, rat) L <sub>C</sub> 50: Not available	30-35
Castor oil	<b>8001-79-4</b>	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	5-10
Resin	<b>Not Available</b>	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	20-25

**SECTION III - PHYSICAL DATA**

Physical State: Liquid  
 Specific Gravity: 0.98  
 Colour: Various  
 Viscosity: As water  
 Clarity: Opaque

% Volatile (by volume): 70  
 Boiling Point (°C): 120  
 Odour: Antiseptic  
 Solubility in Water (20 °C): Insoluble  
 Flash Point (°C): 80

**SECTION IV - FIRE AND EXPLOSION DATA**

Flammability: Combustible

Flash Point (°C TCC): 80

LEL (% vol) lowest value of components: Not available

UEL (% vol) highest value of components: Not available

Hazardous Combustion Products: Oxides of carbon. Contact with metals may evolve flammable hydrogen gas.

Potential Hazards:

- Combustible material: may burn but does not ignite readily.
- When heated, vapors may form explosive mixtures with air: indoors, outdoors, and sewers explosion hazards.
- Contact with metals may evolve flammable hydrogen gas.
- Containers may explode when heated.
- Runoff may pollute waterways.
- Substance may be transported in a molten form.

Means of Extinction of Small Fire: Dry chemical, CO2 or water spray.

Means of Extinction of Large Fire: Dry chemical, CO2, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material.

Fire Involving Tank or Rail Car:

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Do not get water inside containers.
- Cool containers with flooding quantities of water until well after fire is out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.

Evacuation Procedure: Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations.

- CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.
- Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate enclosed areas.
- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

**SECTION V - REACTIVITY DATA**

Stability: Stable

Incompatibility: Oxidizing materials

Hazardous Decomposition Products: Oxides of carbon. Contact with metals may evolve flammable hydrogen gas.

## 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:** Effects of contact or inhalation may be delayed. 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.

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.

Pregnant women and persons with pre-existing health disorders should consult their physician before using this product.

Persons with pre-existing skin or lung disorders may be susceptible to the effects of this material. 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:** 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:** 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. If the TLV's listed in Section II are exceeded, use a properly fitted NIOSH/MSHA approved respirator with an appropriate protection factor.

**Other Protective Equipment:** Safety shower and eye wash fountain in the immediate work area.

**Engineering Controls:** Use general dilution and local exhaust in sufficient volume, and pattern to keep concentrations of hazardous ingredients listed in Section II below the lowest exposure limit stated. Fumes emitted while baking this product must be properly vented.

### **Leak and Spill Procedure:**

- Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.
- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Stop leak if you can do it without risk.
- Prevent entry into waterways, sewers, basements or confined areas.
- Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
- DO NOT GET WATER INSIDE CONTAINERS.

**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 with large amount of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes. Get immediate medical attention

**Skin:** Remove contaminated clothing, use waterless skin cleaner, followed by soap and water wash. Obtain medical attention if irritation persists.

**Inhalation:** Remove to fresh air, immediately. If breathing has stopped, trained personnel should begin artificial respiration or CPR immediately. If breathing is difficult, trained personnel should administer oxygen. Get immediate medical attention, if warranted.

**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Get immediate medical attention. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

## SECTION IX - PREPARATION AND ADDITIONAL INFORMATION

**Prepared by:** Sterling Marking Products Inc.  
Quality Planning and Engineering Department  
349 Ridout St., N.  
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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).