

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

**Material Name Identifier:**

**Porelon Black Ink Rolls and Pads**

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 Rolls and Pads**

**TDG Shipping Information:**

**Not regulated**

**WHMIS Classification:**

Class D, Division 2A - Very Chronically Toxic (Contains Carbon Black)  
 Class D, Division 2B - Skin/Eye Irritant

**IATA Shipping (Air):**

Not regulated

**SECTION II - HAZARDOUS INGREDIENTS**

Component	CAS Registry	Toxicology	Concentration % (w/w)
Butyl benzyl phthalate	85-68-7	ACGIH TLV-TWA L <sub>D</sub> 50: 2,330 mg/kg (Oral, rat) L <sub>D</sub> 50: >10,000 mg/kg (Skin, rabbit)	15-25
Light Paraffinic Petroleum Oil Extract	64742-05-8	ACGIH TLV-TWA 0.2 mg/m <sup>3</sup> L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	15-25
1,4 Butanediol	110-63-4	ACGIH TLV – TWA L <sub>D</sub> 50: 1.525 mg/kg (Oral, rat) L <sub>D</sub> 50: Not available	15-25

**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: Solid Saturated Flexible Gel

Specific Gravity : 0.9

Colour: Black

Vapour Density (Air = 1): Heavier

Evaporation Rate (n-Butyl acetate = 1): Slower

% Volatiles (by weight): 12.5%

Vapour Pressure: Not available

Odour: Mild

Solubility in Water (20 °C): Very slightly

Flash Point (°C): 93.33

**SECTION IV - FIRE AND EXPLOSION DATA**

Flammability: Not flammable

Flash Point (°C TCC): 93.33

LEL (% vol) lowest value of components: Not available  
UEL (% vol) highest value of components: Not available  
Hazardous Combustion Products: Combustion will produce oxides of carbon and nitrogen, hydrogen chloride, acetic acid.  
Means of Extinction: Carbon dioxide, dry chemical, alcohol foam

## SECTION V - REACTIVITY DATA

Stability: Stable  
Incompatibility: Strong oxidizing materials  
Hazardous Decomposition Products: Combustion will produce oxides of carbon and nitrogen, hydrogen chloride, acetic acid.

## SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin,

Effects of Acute Exposure:

**Eye:** May be irritating

**Skin:** May be irritating

Effects of Chronic Exposure:

Prolonged and repeated lifetime skin contact with similar oil has produced skin tumors in laboratory animals. Oral and skin exposure to similar oil has produced toxic liver, thymus, bone marrow, blood (anemia) effects and death in laboratory animals. Oral and skin exposure of pregnant animals to similar oil has injured or been lethal to the unborn.

**Irritancy:** Hazardous by WHMIS criteria

**Respiratory Tract Sensitization:** Insufficient data available

**Carcinogenicity:** IARC classified light paraffinic petroleum oil solvent extract as carcinogenic.

**Synergistic Materials:** No information available

**Reproductive Effects:** Insufficient data available

**Teratogenicity:** Insufficient data available

**Mutagenicity:** Chrysoidine monochloride showed mutagenic effects (in vitro tests)

## SECTION VII - PREVENTATIVE MEASURES

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

**Eye Protection:** Wear safety glasses meeting the specification of ANSI Z87.1 where 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:** Contain spills with rags of dry absorbent. Use a suitable ink cleaner to remove any residue. Wear protective gloves to minimize skin contact.

**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.

## SECTION VIII - FIRST AID

**Eye:** Any material that contacts the eye should be immediately flushed with water, lifting the upper and lower lids. Get immediate medical attention if any symptoms occur.

**Skin:** Wash immediately with soap and water. Apply skin cream if irritated. Seek medical attention if symptoms occur.

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion:** Unknown – none expected. Seek 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 5S4

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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).