

Part Number(s): 1027-128, 1027-18, 1027-16, 1027-32, 1027-R, 1027-Y

**MATERIAL SAFETY DATA SHEET**

**SECTION I - MATERIAL IDENTIFICATION AND USE**

**Material Name Identifier:**

**1027 Laundry Ink (All Colours)**

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: **Laundry Ink**

**TDG Shipping Information:**

**Shipping Name: Toxic Liquid, Organic, N.O.S. (contains Xylenol, Cresylic Acid)**

**Class: 6.1**

**UN2810**

**PG III**

**Emergency Response Guide Book No.: 153T**

**WHMIS Classification:**

Class B, Division 3 - Combustible Liquids  
 Class D, Division 1B - Acutely Toxic Material (Contains Phenol)  
 Class E - Corrosive Material (Contains Cresol)

**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 or over pack): 2 L  
 Refer to Pkg. Inst. No. for type of inner packaging 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	1-3
Phenol	<b>108-95-2</b>	TLV: Not available L <sub>D</sub> 50: 317 mg/kg (oral, rat) L <sub>C</sub> 50: Not available	3-7
Trimethylphenol	<b>527-60-6</b>	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	3-7
Ethyl Phenol	<b>N/A</b>	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	3-7
Xylenol	<b>1300-71-6</b>	TLV: Not available L <sub>D</sub> 50: Not available L <sub>C</sub> 50: Not available	10-20

**SECTION III - PHYSICAL DATA**



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

% Volatile: ~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  
LEL (% vol) lowest value of components: Not available  
UEL (% vol) highest value of components: Not available  
Flash Point (°C TCC): 80  
Hazardous Combustion Products: Oxides of nitrogen, oxides of carbon, other hydrocarbons.  
Means of Extinction: Dry chemical, carbon dioxide.

#### SECTION V - REACTIVITY DATA

Stability: Stable  
Incompatibility: Oxidizers, bases, nitric acid, oleum, chlorosulfonic acid, alkali metals, brass, bronze, aluminum  
Hazardous Decomposition Products: Organic vapours.

#### SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin, Inhalation, Ingestion

Effects of Acute Exposure:

**Eye:** Corrosive. Can cause corneal injury.

**Skin:** Corrosive. Causes burns. Severely irritating to the skin.

**Skin Absorption:** Harmful if absorbed through the skin. May cause damage to kidneys, liver, and nervous system.

**Inhalation:** Harmful if inhaled.

**Ingestion:** Harmful if swallowed. Causes severe burning and pain in mouth, throat and abdomen.

Effects of Chronic Exposure:

**Skin:** Can cause allergic skin reaction. Long-term and repeated exposure may cause dermatitis.

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. Phenols and xylenes are listed as Group 3 (Unclassifiable as Carcinogenic to Humans) by IARC (International Agency for Research on Cancer).

**Synergistic Materials:** Insufficient data 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:** 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

**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.  
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).