

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Identifier:

5543 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)
Water	7732-18-5	TLV:	20-30
1,2,3-Propanetriol (Glycerine)	56-81-5	TLV: 10 mg/m ³	40-50
1,2-Propanediol (Propylene Glycol)	57-55-6	TLV: 10 mg/m ³	20-30
Polyvinyl Pyrrolidone	9003-39-8	TLV: Proprietary	1-2
Colored Pigment	Proprietary	TLV: Proprietary	1-5

SECTION III - PHYSICAL DATA

Physical State: Liquid
Specific Gravity (Water=1): ~1
Colour: Various
Vapour Density(Air=1): ~1

Odour: Odorless

Flash Point (°C): N/A

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable
 LEL (% vol) lowest value of components: N/A
 UEL (% vol) highest value of components: N/A

Flash Point (°C TCC): N/A

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

SECTION V - REACTIVITY DATA

Stability: Stable
Incompatibility: None known

Hazardous Decomposition Products: Oxides of carbon, oxides of nitrogen, and other organic combustion products.

SECTION VI - TOXICOLOGICAL PROPERTIES

Routes of Entry: Eye, Skin, Inhalation, Ingestion

Effects of Acute Exposure:

Eye: May cause discomfort and eye irritation.

Skin: Prolonged contact is essentially nonirritating to skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

Inhalation: No adverse effects are anticipated from single exposure to vapor.

Ingestion: Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.

Effects of Chronic Exposure:

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.

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

Irritancy: Hazardous by WHMIS criteria

Respiratory Tract Sensitization: Insufficient data available.

Carcinogenicity: Not hazardous by WHMIS criteria.

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 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: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirators.

Other Protective Equipment Recommended: Safety shower and eye wash fountain in the 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: Contain spill with absorbent. Flush with water. Collect for disposal. Do not allow spill to enter waterways.

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 (strong oxidants and acids). Store in a cool, dry, well-ventilated area. Storage temperature: 40-80 F.

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 20 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.
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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).