

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Identifier:

SI-60W Black, SI-61W Red, SI-63W Green, Water Based Ink Jet 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>
 E-Mail: sales@sterling.ca

Emergency Telephone Number: CANUTEC (613) 996-6666; Cellular *666

Material Use: **Ink**
 Chemical Family: Water/Glycol Ether

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)
Ethylene glycol monobutyl ether	111-76-2	ACGIH TLV-TWA 20 ppm	1-10
Alkanolamine	NJTS# 254504001- 5144	ACGIH TLV-TWA 5 mg/m3 L _D 50: 8,680 mg/kg (oral, rat) L _D 50: 20,000 mg/kg (skin, rabbit)	<5

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: 0.98-1.100 @ 20C.
 Colour: Various
 Viscosity: No Data
 Clarity: No Data
 Vapor Pressure (mm Hg): N/DA
 pH: 4-10
 Density: 8.0+8.4 lbs/gal

% Volatile: 1-10%
 Boiling Point (°C): 100
 Odour: Mild distinctive odor
 Solubility in Water: Soluble
 Flash Point (°C): >93
 Vapor Density: N/DA
 VOC: 0.584 lb/gal

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable

Flash Point (°C TCC): >93

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: Carbon monoxide on combustion.
Conditions to avoid: Prevent exposure to excessive heat and flame.

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: Chemical resistant 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: NIOSH approved respirator when high concentrations of vapours exist.
Other Protective Equipment: As necessary to avoid prolonged contact.
Engineering Controls: None required.
Leak and Spill Procedure: Isolate spill. Prevent run-off to sewers or other bodies of water. Absorb liquid with suitable absorbent material and place in containers for proper disposal.
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: Flush with large amounts of water for 15 minutes and seek medical attention.

Skin: Remove contaminated clothing. Wash skin with soap and water.

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: Keep person warm and seek medical advice on whether to induce vomiting.

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).