Part # SI-EI70T

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Identifier: **SI-EI70 Series Coloured Solvent Based Ink Jet Ink**
(SI-EI70 Black, SI-EI71 Red, SI-EI72 Blue, SI-EI73 Green, SI-EI75 Yellow)

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:

Product Identification Number: UN 1210
Shipping Name: Printing Ink
Class: 3 Packing Group: II

WHMIS Classification:
Class B2– Flammable Liquids
Class D Division 2B – skin/eye irritant

IATA Shipping (Air):
PRINTING INK
Packaging Instruction for Limited Quantity: Y341
Maximum Net Quantity (per outer package): 1L
Refer to Pkg. Inst. No. for inner packaging type and maximum quantity per inner package. DGR – 54th edition

SECTION II - HAZARDOUS INGREDIENTS

Component	CAS Registry	Toxicology	Concentration % (w/w)
Ethanol	**64-17-5**	ACGIH TLV-TWA 1000 ppm RTECS L_D50: 7060 mg/kg (oral, rat) L_C50: 20000 ppm/10H (inhalation, rat)	75-95
Isoproponal	**67-63-0**	ACGIH TLV-TWA 200 ppm; STEL 400 ppm RTECS L_D50: 5045 mg/kg (oral, rat) L_C50: 16000 ppm/8H (inhalation, rat)	<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	% Volatile (by volume): 85-95
Specific Gravity: 0.80-0.92	Boiling Point (°C): 74-81
Colour: Various Colours	Odour: Distinctive Odour
Viscosity: No Data	Solubility in Water (20 °C): Miscible
Clarity: No Data	Flash Point (°C): 15
Vapor Pressure (mm Hg): 44 @ 20°C	Vapor Density (Air =1): 1.7
Evaporation Rate (n-Butyl Acetate =1): >1	VOC: 5.85 lbs/gal, 701.88 gms/L

SECTION IV - FIRE AND EXPLOSION DATA

Flammability: Not flammable Flash Point (°C TCC): 15
LEL (% vol) lowest value of components: 3.4
UEL (% vol) highest value of components: 19
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: Insufficient data available
Respiratory Tract Sensitization: Insufficient data available
Carcinogenicity: Insufficient data available
Synergistic Materials: Insufficient data 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/MSHA 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 mintues 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 advise on whether to induce vomiting.

SECTION IX - PREPARATION AND ADDITIONAL INFORMATION

Prepared by: Sterling Marking Products Inc.
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349 Ridout St., N.
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Supersedes: June 17, 2012
Updated: February 20, 2013

Expires: **17-Jun-2015**

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).