1700 Ink, All Colours

SECTION 1: IDENTIFICATION

Product Name: 1700 Ink, All Colours
Other Product Names: 617 Ink
Part Number: 1700 + B or BL, G, LB, LG, MED, OR, S, W, Y
Recommended use: Stamping or Printing Ink
Restrictions on use: None known
Vendor ID: Sterling Marking Products Inc., 1147 Gainsborough Road, London, ON Canada N6H 5L5 1-800-265-5957, 519-434-5785

Emergency telephone number: CANUTEC (613) 966-6666, Cellular * 666

SECTION 2: HAZARD IDENTIFICATION

Classified according to the Canadian Dangerous Products Regulations (WHMIS 2015) and the American standard on dangerous communications (HCS 2012)

Classification

Flammable liquids - Category B, Division 2, H226
Skin irritant - Category D, Division 2B, H315
Eye Irritant - Category D, Division 2B, H319.

Label Elements:

Signal word: Danger

Hazard statements:

Flammable liquid.
May cause drowsiness or dizziness.
Causes eye irritation.

Caution statements:

Use only out-of-doors or in a well ventilated area.
Keep container tightly closed.
Keep away from heat, hot surfaces, sparks, open flames or other sources of ignition. No smoking.
Avoid respiratory vapors.
Wear protective gloves and eye protection.
Wash hands and skin thoroughly after handling.

Additional precautionary statements

Earth / Bond container and receiving equipment.
Use only non-sparking tools.
Take precautions against static discharge.
Avoid breathing dust/smoke/gas/mist/vapors/spray.
In case of fire: use foam, carbon dioxide, dry powder or water mist for extinction.
If on skin (or hair): immediately remove all contaminated clothing. Rinse the skin with water, shower.
If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a poison control center or doctor if you feel unwell.

Dispose of contents & container in accordance with local regulations.
Additional label information
Repeated exposure may cause skin dryness or cracking.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with non-hazardous additions

Dangerous Components			
Component	**CAS Register Number**	**Concentration %**	**Other Identifiers**
Propyl Acetate	109-60-4	7 – 13%	Not Available
Isopropanol	67-63-0	3 – 7%	Not Available
Nitrocellulose	9004-70-0	10 – 30%	Not Available
Ethanol	64-17-5	15 – 40%	Not Available
Methyl Alcohol	67-56-1	3 – 7%	Not Available
Diacetone Alcohol	123-42-2	30 – 70%	Not Available
Isopropyl Acetate	108-21-4	15 – 40%	Not Available
Xylene	1330-20-7	3 – 7%	Not Available
N-butyl Alcohol	71-36-3	3 – 7%	Not Available
Titanium Dioxide	13463-67-7	10 – 30%	Not Available

Note: All ingredients are listed on the Domestic Substances List (DSL) and the Toxic Substances Control Act (CSTA / TCSA) list.

SECTION 4: FIRST AID MEASURES

General information.
Note! Keep the affected person away from heat, sparks and flame!
Inhalation:
Move the exposed person to fresh air. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion:
Never make an unconscious person vomit or drink fluids! Do not induce vomiting! Get medical attention immediately!
Skin contact:
Remove the affected person from the source of contamination. Wash the skin immediately with soap and water. Get medical attention if you feel unwell.
Eye contact:
Quickly wash eyes with plenty of water while lifting the eyelids. Continue rinsing for at least 15 minutes. Immediately transport person to a hospital or eye specialist.
Most important symptoms and effects, both acute and delayed.
General information:
The severity of the symptoms described will vary depending on the concentration and duration of exposure.
Inhalation:
Vapors may cause headache, fatigue, dizziness and nausea.
Ingestion:
May cause nausea, headache, dizziness and poisoning.
Skin contact:

Prolonged contact may cause redness, irritation and dry skin.

Eye Contact:
May cause severe eye irritation.
Indication of any immediate medical attention and special treatment needed:
No recommendations are given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, seek medical attention promptly!
Notes to physician: no specific antidote. Treatment based on the doctor's sound judgment and the patient's individual reactions. First aid should pay attention to self-protection and use recommended protective clothing (chemical resistant gloves, splash protection).

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media.
Suitable extinguishing media:
Water mist or fine spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) are preferred if available. Synthetic foams for general use (including AFFF) or protein foams can work but much less effectively.
Unsuitable extinguishing media:
Do not use a direct stream of water, which will spread the fire.
Specific hazards arising from the product:
Hazardous combustion products.
Thermal decomposition or combustion may release oxides of carbon and other toxic gases or vapors.
Unusual fire and explosion hazards:
Take precautions against static discharge.
Specific hazards:
Fire creates: toxic gases / vapors / fumes from: carbon monoxide (CO). Carbon dioxide (CO2) decomposition / hazardous combustion materials (under fire conditions):
The smoke may contain unidentified toxic and / or irritant compounds. Carbon monoxide. Carbon dioxide.
Special protective equipment:
Firefighters should wear full protective clothing, including self-contained breathing apparatus.
Special fire-fighting procedures:
Keep runoff water out of drains and water sources. Dike for water control. If the risk of water pollution occurs, notify the competent authorities.
Use water to keep containers exposed to fire cool and disperse vapors. Move the container from the fire area if you can do so without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protective measures:
Wear appropriate protective equipment.
Environmental precautionary measures:
Prevent entry into sewers or streams, dike if necessary.
Containment and cleaning procedures and equipment:
Extinguish all sources of ignition. Avoid sparks, flame, heat and smoking. Ventilate. Cleaning personnel should use respiratory protection and / or liquid contact.
Runoff or discharge into sewers, waterways or the soil is prohibited.
Small spills: collect with absorbent and non-combustible materials in suitable containers.
Large spill: absorb into vermiculite or dry sand and dispose of it at an authorized hazardous waste collection point. Inform the authorities if large quantities are involved.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:
Flammable. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Keep containers closed when not in use. Use with adequate ventilation. Never use air pressure to transfer the product. No smoking or open flame in storage, use or handling areas. Ensure that electrical grounding procedures are in place. Use tools without sparks. Containers, even those that have been emptied, will retain product residue and vapors and should be handled as if they were full until they have been cleaned. This product is a poor conductor of electricity and can be electrostatically charged during handling and use (for example: during mixing, filtering or pumping). If this charge reaches a sufficiently high level, static discharge or sparks which may cause ignition may occur. Risk of vapor concentration on the ground and in low areas.
Conditions for safe storage:
Store in a cool, dry and well-ventilated place, away from heat and ignition sources. Use explosion-proof ventilation to prevent accumulation of steam. Keep containers tightly closed. Store in the original container. Store in accordance with good industrial practice.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Control Parameters

Component	Toxicology	Concentration % (w/w)
Propyl Acetate	ACGIH TLV-TWA 200 ppm; STEL 250 ppm	L_D50: 9370mg/kg (oral, rat) L_C50: not available
Isopropanol	ACGIH TLV-TWA 200 ppm; STEL 400 ppm	L_D50: 5045 mg/kg (oral, rat) L_C50: 16,000ppm/4H (inhalation, rat)
Nitrocellulose	TLV: not available	L_D50: >5 gm/kg (oral, rat) L_C50: not available
Ethanol	ACGIH TLV-TWA 1000 ppm	L_D50: 7060 mg/kg (oral, rat) L_C50: 20,000ppm/10H (inhalation, rat)
Methyl Alcohol	ACGIH TLV-TWA 200 ppm; STEL 250 ppm (skin)	L_D50: 5600 mg/kg (oral, rat) L_C50: 64,000ppm/4H (inhalation, rat)
Diacetone Alcohol	ACGIH TLV-TWA 50 ppm	L_D50: 4000 mg/kg (oral, rat) L_C50: not available
Isopropyl Acetate	ACGIH TLV-TWA 100 ppm; STEL 200 ppm	L_D50: 6750 mg/kg (oral, rat) L_C50: 50600 mg/m3/8H
Xylene	ACGIH TLV-TWA 100 ppm; STEL 150 ppm	L_D50: 4300mg/kg (oral, rat) L_C50: 5000 ppm/4H
n-butyl Alcohol	ACGIH TLV-TWA 20 ppm	L_D50: 790mg/kg (oral, rat) L_C50: 8000 ppm/4H
Titanium Dioxide	ACGIH TLV-TWA 10 mg/m3	L_D50: not available L_C50: not available

Appropriate engineering controls:
Local ventilation required to keep exposure within acceptable limits.
Individual protection equipment:
Respiratory protection: If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. For concentrations above the recommended exposure limit, use an NIOSH approved air purifying respirator.
Protection of Gloves: use gloves chemically resistant to this material. Notice: the selection of a specific glove for a particular application and the duration of use in a workplace should also take into account all relevant factors of the workplace such as, but not limited to: other products chemicals that can be handled, physical requirements (Cut / puncture protection, dexterity, thermal protection), potential bodily reactions to glove materials as well as instructions / specifications provided by the glove supplier.

Skin protection: the selection of personal protective equipment varies according to the conditions of use. Skin contact should be prevented by the use of appropriate protective clothing, gloves and shoes, chosen for the conditions of use and the potential for exposure. Consider both durability and resistance to permeation. Waterproof clothing. Waterproof boots.
Eye Protection: chemical protection glasses; Also wear a face shield if there is a risk of splashing.
Environmental exposure controls: keep container tightly sealed when not in use.
Other personal protection data: Make sure that eyewash stations and safety showers are close to the workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid.
Color: various.
Odor: alcoholic.
pH at 20 ° C (68 ° F): not available.
Boiling point: 65 - 102 ° C.
Freezing / melting point: not determined.
Vapor pressure: 100 mm Hg.
Vapor density:> 1.0.
% Volatile by volume: not available.
Evaporation rate: not available.
Solubility: not determined.
Viscosity: not determined.
Molecular weight: not available.
Other: not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive.
Chemical stability: Stable.
Hazardous polymerization: Will not polymerize.
Conditions to avoid:
Materials to avoid:
Oxidizing materials. Strong acids or bases, strong oxidizing agents and strong reducing agents
Hazardous decomposition products:
Decomposition products may include and are not limited to: Carbon monoxide. Carbon dioxide, nitrogen oxides, sulfur oxides, hydrogen chloride gas and sodium oxides.
Additional information: No additional remarks.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:
Ingestion:
Low toxicity. Small amounts swallowed during normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury.
Skin contact: Irritating to skin and mucous membranes.
Inhalation: Brief exposure (minutes) is not likely to cause adverse effects.
Eye contact: Irritant effect. Causes serious eye irritation.

Additional information: none available.

Acute product testing:

Component	CAS Registre	Toxicologie	Concentration % (w/w)
Propyl Acetate	**109-60-4**	ACGIH TLV-TWA 200 ppm; STEL 250 ppm L_D50: 9370mg/kg (oral, rat) L_C50: Not available	7-13
Isopropanol	**67-63-0**	ACGIH TLV-TWA 200 ppm; STEL 400 ppm L_D50: 5045 mg/kg (oral, rat) L_C50: 16,000ppm/4H (inhalation, rat)	3-7
Nitrocellulose	**9004-70-0**	TLV: Not available L_D50: >5 gm/kg (oral, rat) L_C50: Not available	10-30
Ethanol	**64-17-5**	ACGIH TLV-TWA 1000 ppm L_D50: 7060 mg/kg (oral, rat) L_C50: 20,000ppm/10H (inhalation, rat)	15-40
Methyl Alcohol	**67-56-1**	ACGIH TLV-TWA 200 ppm; STEL 250 ppm (skin) L_D50: 5600 mg/kg (oral, rat) L_C50: 64,000ppm/4H (inhalation, rat)	3-7
Diacetone Alcohol	**123-42-2**	ACGIH TLV-TWA 50 ppm L_D50: 4000 mg/kg (oral, rat) L_C50: Not available	30-70
Isopropyl Acetate	**108-21-4**	ACGIH TLV-TWA 100 ppm;STEL 200 ppm L_D50: 6750 mg/kg (oral, rat) L_C50: 50600 mg/m3/8H	15-40
Xylene	**1330-20-7**	ACGIH TLV-TWA 100 ppm;STEL 150 ppm L_D50: 4300mg/kg (oral, rat) L_C50: 5000 ppm/4H	3-7
n-butyl Alcohol	**71-36-3**	ACGIH TLV-TWA 20 ppm L_D50: 790mg/kg (oral, rat) L_C50: 8000 ppm/4H	3-7
Titanium Dioxide	**13463-67-7**	ACGIH TLV-TWA 10 mg/m3 L_D50: Not available L_C50: Not available	10-30

Note: All ingredients are listed on the Domestic Substances List (DSL) and the Toxic Substances Control Act (CSTA / TCSA) list.

Carcinogenicity:
Carcinogenicity Comment: IARC (International Agency for Research on Cancer) - The substance is not listed, none of the components are listed.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological information:
The hazards to the aquatic environment are unknown.
Other information:
Ecotoxicity: the product is practically non-toxic to aquatic organisms on an acute basis. Flushing larger quantities down the drain can increase pH values which can harm aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal method: All waste must be disposed of in accordance with municipal, provincial and federal regulations.
Contaminated packaging: Empty containers should be recycled or disposed of in an approved waste management facility. Water is the recommended cleaning agent if necessary.

SECTION 14: TRANSPORT INFORMATION

IATA (air) shipping:
Printing ink packaging instruction for limited quantity: Y344
Maximum net quantity (per external package):
Refer to pkg. inst. no. for the type of inner packaging and the maximum quantity per inner package. DGR - 54th edition.

TDG Shipping Information: Printing Ink, UN1210
Class:3-flammable liquid PG: III-relatively minor danger
WHMIS classification: Class B, Division 3-combustible liquids, Class D, Division 2B - irritating to skin / eyes

SECTION 15: REGULATORY INFORMATION

Canadian DSL Inventory Status: All of the components of this product are on the Domestic Substances List (DSL), the Domestic Substances List (LES) or are exempt.

WHMIS hazardous class:
Flammable liquids - Category B, Division 2, H226
Skin irritant - Category D, Division 2B, H315
Eye Irritant - Category D, Division 2B, H319
Hazard Pictograms:

Dangerous Components

Component	CAS Registre	Concentration %	Autres identifiants
Propyl Acetate	**109-60-4**	7 – 13%	Not available
Isopropanol	**67-63-0**	3 – 7%	Not available
Nitrocellulose	**9004-70-0**	10 – 30%	Not available
Ethanol	**64-17-5**	15 – 40%	Not available
Methyl Alcohol	**67-56-1**	3 – 7%	Not available
Diacetone Alcohol	**123-42-2**	30 – 70%	Not available
Isopropyl Acetate	**108-21-4**	15 – 40%	Not available
Xylene	**1330-20-7**	3 – 7%	Not available
N-butyl Alcohol	**71-36-3**	3 – 7%	Not available
Titanium Dioxide	**13463-67-7**	10 – 30%	Not available

SECTION 16: OTHER INFORMATION

Additional Information: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

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End of SDS.