



Millennium Signatures
MARKING SYSTEMS

www.millenniumsignatures.com
info@millenniumsignatures.com

Emergency Numbers

Canutec: (613) 996-6666

Poison ControlCentre: (905) 598-5900

Revised: February 1st, 2008

Page 1 of 4

MATERIAL SAFETY DATA SHEET

Section I

Product Name: MS-2900 Series Ink

Chemical Name: N/A- Mixture

Chemical Family: Inks, Solvent based

Formula: Trade Secret

Section II

Hazardous Ingredients/ Identity Information

Name	%	LD (or LC)	TLV/TWA (mg/m3)	CAS #
Propyl Acetate	7-13	oral, rat = 9370 mg/kg	200	109-50-4
Isopropanol	3-7	oral, rat = 4720 mg/kg	400	67-63-0
Nirocellulose	10-30	oral, rat = 5628 mg/kg	not reported	9004-70-0
Ethanol	15-40	oral, rat = 7060 mg/kg	1000	64-17-5
Methanol	3-7	oral, rat = 5628 mg/kg	200	67-56-1
Diacetone Alcohol	15-40	oral, rat = 4000 mg/kg	50	123-42-2
Isopropyl Acetate	15-40	oral, rat = 3000 mg/kg	250	108-21-4
Xylene	3-7	oral, rat = 4300 mg/kg	100	1330-20 7
Butyl Alcohol, n-	3-7	oral, rat = 790 mg/kg	50	71-26-3
Acetone	30-50	oral, rat = 9700 mg/kg		67-64-1

Section III **Physical/ Chemical Characteristics**

Boiling Point: 65-102 Degrees (C)

Specific Gravity: Lower than 1.0

Vapour Pressure: (Highest: 100 mm Hg)

% Volatile by Volume: N/A

Melting Point: N/A

Vapour Density: Greater than 1.0 (air=1)

Evaporation Rate: Faster than butyl acetate

pH: N/A

Solubility in Water: N/A

Appearance: Coloured Liquid, Alcohol Odour

Section VI Health Hazard Data**Route(s) of Entry:**

Inhalation: Y **Skin:** Y **Ingestion:** Y

Health Hazards (Acute & Chronic):

Ingestion: May Cause central nervous system and internal organ damage

Skin and Eyes: May cause serious irritation or allergic reaction

Carcinogenicity: NTP: IARC Monographs: No **OSHA Regulated:** No

Signs and Symptoms of exposure:

Ingestion: Nausea, vomiting, diarrhea and possible facial discoloration

Skin and Eyes: Irritation

Medical conditions generally aggravated by exposure: Prolonged exposure to solvents can be harmful to the blood, nervous system and internal organs

Emergency and First Aid Procedures:

Ingestion: Remove to fresh air. If narcosis continues consult a physician.

Skin: Wash with soap and water. If irritation persists consult physician.

Eyes: Flush with water for at least fifteen minutes. If irritation persists, consult physician.

Ingestion: Consult the local poison Control Centre immediately for severe cases or call a physician.

Section V REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Strong acids and strong oxidizing agents

Hazardous Decomposition or Combustion: Not Available

Section VI FIRE AND EXPLOSION DATA

Flash Point: Lowest 4 Degrees (C)

Autoignition Temp: Lowest 160 Degrees (C)

Flammability Limits in air: UEL (%): N/A

LEL (%): N/A

Fire Extinguishing Media: Dry chemical, CO₂ Foam

Other Fire or Explosion Hazards: Extreme heat, flame, static discharge

Section VII Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Remove all sources of ignitions; absorb with sand or other inert material use spark proof tools for clean up

Waste Disposal: To be performed in compliance with all current local, provincial and federal regulations

Precautions to be taken in handling and storing: Keep containers tightly closed, and keep from freezing (32 degrees [F]). Wash hands thoroughly after handling

Other precautions: None

Section VIII Control Measures

Respiratory Protections (specify type): N/A

Ventilation: Local exhaust is sufficient

Protective gloves: Optional- for sensitive skin

Eye protection: For extra protection, wear safety goggles

Other protective clothing or equipment: Optional- Apron

Section IX Shipping Information**Shipping Name:** Printing Ink**WHMIS Group:** B3, D2B**Class:** 3**UN** 1210**Packing Group:** III

***We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the applications of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.