



*Millennium Signatures*  
MARKING SYSTEMS

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**Emergency Numbers**

**Canutec: (613) 996-6666**

**Poison Control Centre: (905) 598-5900**

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## **MATERIAL SAFETY DATA SHEET**

### **Section I**

**Product Name:** MS-2900 Solvent M

**Chemical Name:** N/A- Mixture

**Chemical Family:** N/A - Mixture

**Formula:** Trade Secret

### **Section II**

#### **Hazardous Ingredients/ Identity Information**

Name	%	LD (or LC)	TLV/TWA (mg/m3)	CAS #
Methyl Ethyl Ketone	75-95	oral, rat = 3400 mg/kg	200 ppm	78-93-3

### **Section III**    **Physical/ Chemical Characteristics**

**Boiling Point:** 80 Degrees (C)

**Specific Gravity:** .805-.807 @ 15.6 Degrees (C)

**Vapour Pressure:** 71.2 @ 20 Degrees (C)

**% Volatile by Volume:** 100

**Melting Point:** -86 Degrees (C)

**Vapour Density:** 2

**Evaporation Rate:** 11.6

**pH:** N/A

**Solubility in Water:** 27.1 @ 20 Degrees (C)

**Appearance:** Colourless Liquid, Ketone Odour

## **Section VI      Health Hazard Data**

### **Route(s) of Entry:**

**Inhalation:** N/A      **Skin:** Y      **Ingestion:** Y

**Recommend Exposure :** Current TLV = 00 ppm (590 mg/m<sup>3</sup>) (1977, ACGIH)  
**Limit (ACGIH TLV-TWA)**

**Toxicological Data :** LD<sub>50</sub> (oral , rat) = 3400 mg/kg  
LD<sub>50</sub> (dermal, rabbit) = 13 g/kg  
LCL<sub>0</sub> (4H, rat) = 2000 ppm  
LD<sub>50</sub> (intraperitoneal, mouse) = 616 mg/kg

### **Health Hazards (Acute & Chronic):**

**Ingestion:** May Cause central nervous system depression

**Skin and Eyes:** May cause serious irritation or allergic reaction

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

### **Signs and Symptoms of exposure:**

**Ingestion:** Anesthesia, headache, nausea, dizziness, central nervous system depression. Can be irritating to respiratory tract.

**Skin :** Moderately irritating. Can cause defatting dermatitis.

**Eyes:** Moderately irritating. Can cause conjunctivitis.

**Ingestion:** Anesthesia, headache, nausea, dizziness, central nervous system depression.

### **Emergency and First Aid Procedures:**

**Ingestion:** Remove victim from area and restore breathing if necessary. Seek medical attention.

**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:** DO NOT INDUCE VOMITING. Guard against aspiration into lungs. Seek medical attention.

**Section V      REACTIVITY DATA**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions to Avoid:** Avoid Sparks and open flame sources

**Materials to Avoid:** Avoid strong oxidizing materials

**Hazardous Decomposition or Combustion:** CO, CO<sub>2</sub> produced on combustion

**Section VI      FIRE AND EXPLOSION DATA**

**Flash Point:** -6.6 Degrees (C) (<20 degrees) TAG Closed Cup

**Autoignition Temp:** 514 Degrees (C)

**Flammability Limits in air: UEL (%):** 10

**LEL (%):** 2.0

**Fire Extinguishing Media:** Dry chemical, CO<sub>2</sub> Foam, water fog

**Fire Fighting Procedures:** Do NOT use water except as a fog. Handle as a very flammable liquid.

**Other Fire or Explosion Hazards:** Vapour forms an explosive mixture between upper and lower flammable limits.

**Section VII      Precautions for Safe Handling and Use**

**Steps to be taken in case material is released or spilled:** Remove all sources of ignitions. Flush with water to a well ventilated area. Avoid flushing into confined areas. Wear adequate respiratory protection. Remove to a container.

**Waste Disposal:** Dispose by controlled burning.

**Precautions to be taken in handling and storing:** May be harmful to aquatic life. Keep from sewers, lakes and streams.

**Other precautions:** None

## **Section VIII      Control Measures**

**Respiratory Protections (specify type):** Approved organic canister mask or air pack

**Ventilation:** Local exhaust is sufficient

**Protective gloves:** Impervious rubber gloves

**Eye protection:** Chemical safety goggles to guard against splashing

**Other protective clothing or equipment:** Optional- Apron

## **Section IX      Shipping Information**

**Shipping Name:** Methyl Ethyl Ketone

**WHMIS Group:** B3, D2B

**Class:** 3

**UN** 1193

**Packing Group:** II

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