

# Millennium Signatures Marking Systems Inc.

Phone: 905-639-0909

Email: info@millenniumsignatures.com

## SAFETY DATA SHEET

---

### SECTION 1 – IDENTIFICATION AND COMPANY DETAIL

---

**Product Name:** T-20 Electrolyte  
**Product Code(s):** T-20  
**Manufacturers Name:** Millennium Signatures Marking Systems Inc.  
**Address:** 12-1550 Yorkton Court  
Burlington ON, L7P 5B7  
**Emergency Telephone:** (905) 630 0909, available during office hours,  
8:30am - 4:00pm EST, Monday - Friday, in English.  
**Fax Number:** (905) 639-0919  
**Date Prepared:** January 4, 2017

HMIS	
H	1
F	0
R	1
PPE+	
† Sec. 8	

---

### SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

---

**Hazardous Components (specific chemical identity/ Common name):**

**SOLIDS:** Mixed Nitrate Salts (trade secret) 6%

**LIQUIDS:** Formaldehyde (2ppm[Air]) (trade secret) 230ppm

**TRADE SECRET:** The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

---

### SECTION 3 – HAZARD INFORMATION

---

**Inhalation:** N/A

**Ingestion:** Highly toxic to G.I. tract and central nervous system, and may decrease ability of blood to carry oxygen. Nausea, vomiting, diarrhea, and facial discoloration.

**Skin contact:** Dermatitis possibly aggravated by exposure.

**Eye contact:** N/A

---

### SECTION 4 – FIRST AID MEASURES

---

**Skin contact:** Flush thoroughly with water for fifteen minutes.

**Eye contact:** Flush thoroughly with water for fifteen minutes.

**Ingestion:** Give emetic and induce vomiting.

**Inhalation:** N/A

**Always seek medical attention if irritation continues.**

# SAFETY DATA SHEET

---

## SECTION 5 – FIRE-FIGHTING MEASURES

---

**Suitable extinguishing media:** N/A  
**Special firefighting procedures:** N/A  
**Unusual fire and explosions hazards:** N/A

---

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

---

**Steps to be taken in case material is released or spilled:**

**SMALL SPILLS:** Flush with water to sewer.

**LARGE SPILLS:** Use suitable absorbent and dispose of in dot approved waste containers.

**WASTE DISPOSAL:** To be performed in compliance with all current local, state and federal regulations.

---

## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

---

**Steps to be taken in the event of spillage or chemical release:**

**Waste disposal method:** To be performed in compliance with all current local, state and federal regulations.

**Precautions to be taken in Handling and Storage:** Keep container tightly closed, and keep from freezing (32°F). Wash hands thoroughly after handling. **Other Precautions:** None.

---

## SECTION 8 – EXPOSURE CONTROLS – PERSONAL PROTECTION

---

**Occupation Exposure Limits:** RECM STD-Air: 1.2mg/M/30m **Personal**

**Protective Equipment:**

**Respiratory System:** N/A

**Skin and Body:** Optional apron

**Hands:** Optional- For sensitive skin wear rubber gloves.

**Eyes:** For extra protection, wear safety goggles.

**Other/Special:** Local exhaust sufficient

---

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

---

**Physical State:** Liquid

**Color:** Clear

**Odor:** Slight odor

**Odor Threshold:** N/A

**pH:** 8.6 to 9.0

**Boiling Point:** 212°F

**Melting / Freezing Point:** Melting - N/A / Freezing - below 32°F

**Flash Point:** N/A

**Fire Hazards in presence of**

# SAFETY DATA SHEET

various substances: N/A  
Auto-ignition temperature: N/A  
Explosive Properties: N/A  
Lower explosion limit: N/A  
Oxidizing properties: N/A  
Vapor Pressure (mm Hg.): @25°C (77°F): 23.7  
Evaporation Rate: N/A  
Density: N/A  
Solubility: Complete (100%)  
Vapor Density: N/A

---

## SECTION 10 – REACTIVITY DATA

---

**Stability:** Stable  
**Conditions to avoid:** N/A  
**Incompatibility:** (materials to avoid) If solution dries; oxidizers, reducing agents, organic material, acids.  
**Hazardous Decomposition or By-products:** None; But surrounding fire may produce nitrogen oxide.  
**Hazardous polymerization:** Will not occur.

---

## SECTION 11 – TOXICOLOGICAL INFORMATION

---

**Carcinogenicity:** NTP: No IARC: No OSHA: No  
**Health Hazards (Acute & Chronic);**  
Highly toxic to G.I. tract and central nervous system, and may decrease ability of blood to carry oxygen.  
Nausea, vomiting, diarrhea, and facial discoloration. Dermatitis possibly aggravated from exposure.

---

## SECTION 12 – ECOLOGICAL INFORMATION

---

N/A

---

## SECTION 13 – DISPOSAL CONSIDERATIONS

---

Observe all federal, state and local environmental regulations.

---

## SECTION 14 – TRANSPORT INFORMATION

---

Keep container tightly closed and keep from freezing (32° F).

---

## SECTION 15 – TRANSPORT INFORMATION IRRITANT

---

**Safety Phrases:** N/A    **Risk Phrases:** N/A    **Regulations:** N/A

---

## SECTION 16 – OTHER INFORMATION

---

**Source of key data used to Compile Safety Data Sheet:** Material Safety Data Sheet. Essentially similar to U.S. Department of Labor

# SAFETY DATA SHEET

**Issue Date:** Form OSHA-20  
26 February 1987  
**Changes to Issue:** 15 April 2015

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 AND 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.

THE FORMULAS USED FOR THESE PRODUCTS ARE CONSIDERED CONFIDENTIAL TRADE SECRETS. THIS INFORMATION IS FOR OUR CUSTOMERS EYES ONLY.

© MILLENNIUM SIGNATURES MARKING SYSTEMS INC.