

**SAFETY DATA SHEET**

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

**Product Name: FINE POINT PERMANENT MARKER****SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Type:	Marker	Emergency Contact:	Chemtrec
Product Name:	<b>FINE POINT PERMANENT MARKER</b>	Phone:	<b>(800) 424-9300</b>
Part Number(s):	<b>22-222</b>		

## Identification of the substance or preparation

Product name	SCA Markers – Extra Fine
Product code	SCAN-EF-R
Use of the preparation	: Ink for writing instrument

**SECTION 2. HAZARDS IDENTIFICATION**

## 2.1. GHS Classification of the substance or mixture

## Physical hazards

Flammable Liquids : Category 3

## Health hazards

Eye damage/irritation : Category 2

Specific target organ toxicity  
(single exposure) : Category 2(Lung, Liver, Kidney, Stomach)  
Category 3(anesthetic action)

## 2.2. GHS label elements

## Hazard pictograms



## Signal word : Danger

## Hazard statements

H226	: flammable liquid and vapor
H319	: Causes serious eye irritation
H371	: May cause damage to organs
H335	: May cause respiratory irritation
H336	: May cause drowsiness or dizziness

## Precautionary statements

## Prevention

P210	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	: Keep container tightly closed.
P240	: Ground and bond container and receiving equipment.
P241	: Use explosion-proof equipment.
P242	: Use non-sparking tools.
P243	: Take action to prevent static discharges.
P280	: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P264+P265	: Wash hands thoroughly after handling. Do not touch eyes.
P260	: Do not breathe dust/fume/gas/mist/vapors/spray.
P270	: Do not eat, drink or smoke when using this product.
P271	: Use only outdoors or in a well-ventilated area.

**SAFETY DATA SHEET****Product Name: FINE POINT PERMANENT MARKER****SECTION 2. HAZARDS IDENTIFICATION (CONTINUED)**

## Response

- P303+P361+P353 : IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
- P370+P378 : In case of fire: Use water spray, foam, dry, chemical powder or carbon dioxide to extinguish.
- P304+P340 : IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P319 : Get medical help if you feel unwell.
- P305+P351+P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
- P337+P317 : If eye irritation persists: Get medical help.
- P308+P316 : IF exposed or concerned: Get emergency medical help immediately.

## Storage

- P403+P233+P235 : Store in a well-ventilated place. Keep container tightly closed. Keep cool.
- P405 : Store locked up.

## Disposal

- P501 : Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3. Other hazards

: None

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance or mixture : Mixture

## Ingredients and composition

Ingredients	CAS Number	Weight %
1-Methoxypropan-2-ol	107-98-2	54 %
2(3H)-Furanone, dihydro-	96-48-0	10 %
Red dye	Non public	8 %

**SECTION 4. FIRST AID MEASURES**

## 4.1. Description of first aid measures

- Inhalation : Remove subject to ventilated fresh air. Consult physician if necessary.
- Ingestion : Refer for medical attention.
- Skin contact : Wash the affected area under tepid running water using a mild soap. And refer for medical attention if irritation continues.
- Eye contact : Gently rinse the affected eyes with clean water for at least 15 minutes. And refer for medical attention if irritation continues.
- First aid facilities : Ensure eyewash and water service are available.

## 4.2. Most important symptoms and effects, both acute and delayed

Ink contact with skin may cause irritation, swelling or redness.

## 4.3. Indication of any immediate medical attention and special treatment needed

In case of skin or eye contamination treat as under First Aid Measures.

**SAFETY DATA SHEET****Product Name: FINE POINT PERMANENT MARKER****SECTION 5. FIRE-FIGHTING MEASURES**

## 5.1. Suitable extinguishing media

: In case of fire, use foam, dry, chemical powder or carbon dioxide.

## 5.2. Specific hazards arising from the substance or mixture

: CO<sub>2</sub>, CO, NO<sub>x</sub>, and SO<sub>x</sub>, is produced after combustion.

## 5.3. Special protective equipment and precautions for fire-fighters

: None

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

## 6.1. Personal precautions, protective equipment and emergency procedures

: Use proper ventilation. Use eye and skin protection.

## 6.2. Environmental precautions

: Do not dispose of waste to the sewer.

## 6.3. Methods and material for containment and cleaning up

: Absorb spill with material (cloth or paper), then place in a chemical waste containers.

**SECTION 7. HANDLING AND STORAGE**

## 7.1. Precautions for safe handling

: Use proper ventilation. Avoid rough handling or dropping.

Wear protective gloves/protective clothing/eye protection/face protection.

Keep out of reach of children and do not drink ink.

## 7.2. Conditions for safe storage, including any incompatibilities

: Store in a dry, cool, well-ventilated location, away from possible all source of ignition.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## 8.1. Control parameters

Occupational exposure limits

Component	Standard control concentration	Threshold limit values	
		Japan Society for Occupational Health	ACGIH
1-Methoxypropan-2-ol	None	None	TWA 100 ppm STEL 150 ppm
Red dye	None	8 mg/m <sup>3</sup>	None

## 8.2. Appropriate engineering controls

: In the case of the handling of the room to install a closed reduction or local exhaust sources.

Electrical equipment to be used in handling the location could be explosion-proof structure, equipment is static electricity measures.

## 8.3. Individual protection measures, such as personal protective equipment.

: Wear protective gloves/protective clothing/eye protection/face protection.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

## 9.1. Information on basic physical and chemical properties

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|--|--|
| (a) Appearance                                   | : Liquid<br>[Color] Red                                |
| (b) Odor   | : Organic solvent odor                                 |
| (c) Odor threshold                               | : No data  |
| (d) pH   | : Not applicable                                       |
| (e) Melting point/freezing point                 | : -95 degrees Celsius (1-Methoxypropan-2-ol)           |
| (f) Initial boiling point/boiling range          | : 121 degrees Celsius (1-Methoxypropan-2-ol)           |
| (g) Flash point                                  | : 32 degrees Celsius (1-Methoxypropan-2-ol)            |
| (h) Evaporation rate                             | : No data  |
| (i) Flammability (solid, gas)                    | : Flammable  |
| (j) Upper/lower flammability or explosive limits | : LEL 2.7 vol%, UEL 11.8vol% (1-Methoxypropan-2-ol)    |
| (k) Vapor pressure                               | : 893 Pa (at 20 degrees Celsius, 1-Methoxypropan-2-ol) |
| (l) Vapor density                                | : 3.11 (1-Methoxypropan-2-ol)                          |
| (m) Relative density                             | : 1.01-1.03 (at 20 degrees Celsius)                    |
| (n) Solubility                                   | : Insoluble in water                                   |
| (o) Partition coefficient: n-octanol/water       | : log Pow=-0.49 (1-Methoxypropan-2-ol)                 |
| (p) Auto-ignition temperature                    | : No data  |
| (q) Decomposition temperature                    | : No data  |
| (r) Viscosity                                    | : 3.7-6.7mPa·s (at 20 degrees Celsius)                 |
| 9.2. Other information                           | : None   |

**SECTION 10. STABILITY AND REACTIVITY**

- |  |  |
|--|--|
| 10.1. Reactivity                         | : This material is stable.   |
| 10.2. Chemical stability                 | : This material is stable.   |
| 10.3. Possibility of hazardous reactions | : This material is stable.   |
| 10.4. Conditions to avoid                | : Direct sunshine, the high temperature and source of ignition.  |
| 10.5. Incompatible materials             | : Strong oxidizing agents and reducing agents.   |
| 10.6. Hazardous decomposition products   | : Heating can release vapors which can be ignited.<br>: Burning produces obnoxious and toxic fumes, carbon oxides. |

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### SECTION 11. TOXICOLOGICAL INFORMATION

There is no data available on the mixture itself.

#### 11.1. Information on toxicological effects

Eye damage/irritation	: Red dye	: Category 2
	: 2(3H)-Furanone, dihydro-	: Category 2
Specific target organ toxicity (Single exposure)	: Red dye	: Category 2(Lung, Liver, Kidney, Stomach)
	: 1-Methoxypropan-2-ol	: Category 3(narcotic effects)

### SECTION 12. ECOLOGICAL INFORMATION

There is no data available on the mixture itself.

12.1. Ecotoxicity	: No data available
12.2. Persistence and degradability	: No data available
12.3. Bioaccumulative potential	: No data available
12.4. Mobility in soil	: No data available
12.5. Other adverse effects	: None

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

- Follow all regulations in your country.

### SECTION 14. TRANSPORT INFORMATION

14.1. UN number	: 1993
14.2. UN proper shipping name	: Flammable liquids, N.O.S.( 1-Methoxypropan-2- ol)
14.3. Transport hazard class(es)	: 3
14.4. Packing group	: III
14.5. Environmental hazards	: Not applicable
14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not applicable
14.7. Special precautions for user	: Not applicable

The above mentioned information is for ink.

Finished marker pen itself is not regarded as hazardous goods.

Ink below 10 ml per pen is absorbed in polyester filter reservoir inside of the pen.



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## **SAFETY DATA SHEET**

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### **SECTION 15. REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

- Follow all regulations in your country.

### **SECTION 16. OTHER INFORMATION**

International GHS conformity.

The information here is given in good faith, but no warranty, express or implied, is made.

Final determination of suitability of any material is the sole responsibility of the user.

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