

**Safety Data Sheet**  
**Metron Marker Permanent Ink (Formula #226)**

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**SECTION 1: Identification**

**1.1 Product identifier**

Product name	Metron Marker Permanent Ink (Formula #226)
Product number	226 (P1-P12)
Brand	METRON

**1.2 Other means of identification**

960820-0000- HTS CODE

**1.3 Recommended use of the chemical and restrictions on use**

Various applications, including marking pens, torque seal, fault marker, tamper seal

**1.4 Supplier's details**

Name	Metron Optics
Address	302 Washington Street, #145 San Diego, CA 92103 USA

email	mail@metronusa.com
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**1.5 Emergency phone number(s)**

858-755-4477

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**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

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**SECTION 3: Composition/information on ingredients**

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## Metron Marker Permanent Ink (Formula #226)

### 3.1 Substances

#### Hazardous components

##### 1. Ammonium hydroxide (10-35% NH<sub>3</sub>)

Concentration	0.001 % (Volume)
EC no.	215-647-6
CAS no.	1336-21-6
Index no.	007-001-01-2

##### 2. Acrylic Polymer

Concentration	Not specified
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##### 3. WATER

Concentration	Not specified
CAS no.	7732-18-5

##### 4. Dyed Melamine Copolymer Resin

Concentration	Not specified
CAS no.	No CAS Number

##### 5. Isopropyl Alcohol (2-Propanol)

Concentration	0.02 %
CAS no.	67-63-0

##### 6. Residual monomers

Concentration	Not specified
CAS no.	No CAS Number

##### 7. Nonyl Phenol Ehoxylate

Concentration	Not specified
CAS no.	9016-45-9

##### 8. TITANIUM DIOXIDE

Concentration	0.03 %
CAS no.	13463-67-7

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## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice	Eyes: Flush with water; Call a physician. Ingestion: Do not induce vomiting,
If swallowed	Possible nausea.

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## SECTION 5: Fire-fighting measures

### 5.1 Suitable extinguishing media

N/A - Non-Combustible

### 5.2 Specific hazards arising from the chemical

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Material can splatter above 100 degrees Celsius. Polymer film can burn.

### 5.3 Special protective actions for fire-fighters

N/A

#### Further information

No data available.

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## SECTION 6: Accidental release measures

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

No special requirements

### 6.2 Environmental precautions

Wipe up and discard

### 6.3 Methods and materials for containment and cleaning up

Wash hands

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Wash hands before eating.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### CAS: 67-63-0

Isopropyl alcohol

Cal/OSHA: 400 ppm, (ST) 500 ppm PEL inhalation; NIOSH: 400 ppm, (ST) 500 ppm REL inhalation; OSHA: 400 ppm PEL inhalation; 980 mg/m<sup>3</sup> PEL inhalation

### 8.2 Appropriate engineering controls

No special requirements

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

No special requirements

#### Skin protection

No special requirements

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form

Cream-like liquid, various colors, mild odor

Odor

Odor threshold

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## Metron Marker Permanent Ink (Formula #226)

pH	
Melting point/freezing point	
Initial boiling point and boiling range	100 °C
Flash point	Non-Combustible
Evaporation rate	Less Than 1
Flammability (solid, gas)	
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	17@20 °C
Vapor density	Less Than 1
Relative density	
Solubility(ies)	Dilutable
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

### Other safety information

Material can splatter above 100 °C. Polymer film can burn

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Yes

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Material can splatter above 100 degrees Celsius. Polymer film can burn.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

No data available.

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## SECTION 11: Toxicological information

### Information on toxicological effects

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## SECTION 12: Ecological information

### Toxicity

Non Toxic

### Persistence and degradability

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## Metron Marker Permanent Ink (Formula #226)

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

### Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### Disposal of the product

Dispose of in accordance with Federal, State, and Local regulations

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### HMIS Rating

Health	1
Flammability	0
Physical hazard	0
Personal protection	B

#### NFPA Rating

Health hazard	1
Fire hazard	0
Reactivity hazard	0
Special hazard	

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## SECTION 16: Other information

960820-0000

# **Safety Data Sheet**

## **Metron Marker Permanent Ink (Formula #226)**

### **16.1 Further information/disclaimer**

The information contained herein is based on data considered accurate and is offered solely for information, consideration and investigation. Metron extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. The data on this Safety Data Sheet relates only to this product and does not relate to use with any other material or in any process. All chemical products should be used only by, or under the direction of, technically qualified personnel who are aware of the hazards involved and the necessity for reasonable care in handling. Hazard communication regulations require that employees must be trained on how to use a Safety Data Sheet as a source for hazard information.

### **16.2 Preparation information**

SDS Created 6/2012  
SDS Revised 9/2016  
SDS Revised 11/2016  
SDS Revised 11/2018