

Safety Data Sheet

Metron Marker Permanent Ink (Formula #226)

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	809 Academy Drive Solana Beach, CA 92075 USA

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

858-755-4477

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.

SECTION 3: Composition/information on ingredients

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3.1 Substances

Hazardous components

1. Ammonium hydroxide (10-35% NH₃)

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

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.

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.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wash hands before eating.

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/m³ 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

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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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

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.

SECTION 11: Toxicological information

Information on toxicological effects

SECTION 12: Ecological information

Toxicity

Non Toxic

Persistence and degradability

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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.

SECTION 13: Disposal considerations

Disposal of the product

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

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

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	

SECTION 16: Other information

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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

SDS Revised 1/2021

SDS Revised 1/2024