

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 Consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

<b>IDENTITY</b> (As Used on Label and List)	<b>Metron Aquaclean Ink</b>	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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<b>Section I</b>	
Manufacturer's Name	<b>Metron Marker, Division of</b>
Address (Number, Street,	<b>METRON OPTICS, Inc.</b>
	<b>819 Academy Drive</b>
	<b>Solana Beach, CA 92075—USA</b>
Emergency Telephone Number	<b>858-755-4477</b>
Emergency Telephone Number	<b>858-755-4752</b>
Date Prepared (mm-dd-yy)	<b>01-15-94 — Rev.01-2012</b>
Signature of Preparer (Optional)	

**SECTION II —Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH-TLV	Other Limits (Recommended)	% (Optional)
Isopropanol CAS 67-63-0	400ppm	400ppm	-	
Polysulfonic Acid CAS 27119-0709	None	None	-	
Water CAS 7732-18-5	None	None	-	

**SECTION III —Physical/Chemical Characteristics**

Boiling Point	<b>82°C</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1</b>
Vapor Pressure (mm)	<b>33@20°C</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>2.07</b>	Evaporation Rate (Butyl Acetate = 1)	<b>2.88</b>
Solubility in Water	<b>Dilutable</b>		
Appearance and Odor	<b>Cream-like liquid, various colors, mild alcohol odor</b>		

**SECTION IV—Fire and Explosion Hazard Data**

Flash Point (Method Used)	<b>63°F TOC</b>	Flammable Limits	LEL	<b>2</b>	UEL	<b>12.7</b>
Extinguishing Media	<b>Carbon dioxide, dry chemical</b>					
Special Fire Fighting Procedures	<b>None</b>					
Unusual Fire and Explosion Hazards	<b>None</b>					

**SECTION V—Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A
Incompatibility ( <i>Materials to Avoid</i> )		Strong oxidizing agents	
Hazardous Decomposition or Byproducts		CO, CO2 may be released upon burning	
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	N/A

**SECTION VI —Health Hazard Data**

Route(s) of Entry:	<u>Inhalation?</u>	Skin?	Ingestion?
Health Hazards ( <i>Acute and Chronic</i> )	Ingestion: Possible nausea. Not applicable in normal usage when ink is in marking pens		
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure	Possible nausea if ingested in quantity. Not applicable in normal usage when ink is in marking pens		
Medical Conditions Generally Aggravated by Exposure	None known		
Emergency and First Aid Procedures	Eye contact: Flush with water. Call a physician. Ingestion: Do not induce vomiting. Get medical attention.		

**SECTION VII —Precautions for Safe Handling and Use**

Step to Be Taken in Case Material is Released or Spilled	Wipe up and discard.
Waste Disposal Method	Dispose in accordance with federal, state, and local regulations.
Precautions to Be Taken in Handling and Storing	Do not expose to extreme heat.
Other Precautions	N/A

**SECTION VIII —Control Measures**

Respiratory Protection ( <i>Specify Type</i> )	N/A		
Ventilation	Local Exhaust	N/A	Special N/A
	Mechanical ( <i>General</i> )	N/A	Other N/A
Protective Gloves	N/A	Eye Protection	No special requirements
Other Protective Clothing or Equipment	N/A		
Work/Hygienic Practices	N/A		