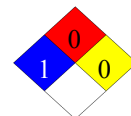


Material Safety Data Sheet

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



IDENTITY (As Used on Label and List) Metron Permanent Ink (Formula #225)	<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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Section I Components Listed in TSCA Inventory

Manufacturer's Name Metron Marker, Division of	Emergency Telephone Number 858-755-4477
Address (Number, Street, METRON OPTICS, Inc.	Emergency Telephone Number 858-755-4752
819 Academy Drive	Date Prepared (mm-dd-yy) 01-15-94 — Rev.01-2010
Solana Beach, CA 92075—USA	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)
Aqua Ammonia	CAS 1336-21-6	356 ppm	256 ppm	0.001%
Non Hazardous Ingredients:				
Rohm & Haas Acrylic Polymer #AC417M—No CAS Number				
Water	CAS 7732-18-5			
Dayglo T122 (Dyed Melamine Copolymer Resin) - No CAS Number				
Titanium Dioxide	CAS 13463-67-7 MW 79.90			
Carsonon N-30 (Nonyl Phenol Ethoxylate)	CAS 9016-44-9			
Isopropyl Alcohol (2-Propanol)	CAS 67-63-0			

SECTION III —Physical/Chemical Characteristics

Boiling Point	100 °C	Specific Gravity (H ₂ O = 1)	1-1.2
Vapor Pressure (mm)	17@20 °C	Melting Point	N/A
Vapor Density (AIR = 1)	Less Than 1	Evaporation Rate (Butyl Acetate = 1)	Less Than 1
Solubility in Water	Dilutable		
Appearance and Odor	Cream-like liquid, various colors, mild odor		

SECTION IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	Non-Combustible	Flammable Limits	LEL	N/A	UEL	N/A
Extinguishing Media	N/A					
Special Fire Fighting Procedures	N/A					
Unusual Fire and Explosion Hazards	Material can splatter above 100 °C. Polymer film can burn.					

SECTION V—Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	X	N/A
Incompatibility (<i>Materials to Avoid</i>) N/A			
Hazardous Decomposition or Byproducts N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will not Occur	X	N/A
SECTION VI —Health Hazard Data			
Route(s) of Entry:		Inhalation? N/A	Skin? N/A Ingestion? YES
Health Hazards (<i>Acute and Chronic</i>) None Known.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	NO	NO	NO
Signs and Symptoms of Exposure Ingestion: Possible nausea.			
Medical Conditions Generally Aggravated by Exposure		None Known.	
Emergency and First Aid Procedures Eyes: 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 of in accordance with Federal, State, and Local regulations.	
Precautions to Be Taken in Handling and Storing		N/A	
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	Not required		Eye Protection No special requirements
Other Protective Clothing or Equipment N/A			
Work/Hygienic Practices Wash hands before eating.			