

20816- all codes

**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) **PANACHE Ink Cartridges (Black, Red, Blue, Green, Turquoise and Violet)**

**Section I**

<b>Manufacturer's Name</b> Hunt Manufacturing Co.	<b>Emergency Telephone Number</b> 704-872-9511
<b>Address (Number, Street, City, State, and ZIP Code)</b> Speedball Road Statesville, NC 28677	<b>Telephone Number for Information</b> 704-872-9511
	<b>Date Prepared</b> 2/8/95
	<b>Signature of Preparer (optional)</b> <i>[Signature]</i>

**Section II -- Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Certified non-toxic as per ASTM D4236 for intended usage. Approved for the AP Seal as per the Art and Craft Materials Institute, Inc. (ACMI) for intended cartridge usage.				
2-Pyrrolidone (CAS #616-45-5)	N/A	400 RPM(skin)	N/A	
Formamide (CAS #75-12-7)	30 ppm	10 ppm	N/A	

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**Section III -- Physical/Chemical Characteristics**

<b>Boiling Point</b>	212-473°F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.05-1.06
<b>Vapor Pressure (mm Hg.)</b>	unknown	<b>Melting Point</b>	< 32°F.
<b>Vapor Density (AIR = 1)</b>	less than 1	<b>Evaporation Rate (Butyl Acetate = 1)</b>	less than

**Solubility in Water** Dilutable  
**Appearance and Odor** Low viscosity with aromatic odor

**Section IV -- Fire and Explosion Hazard Data**

<b>Flash Point (Method Used)</b> Above 285°F.	<b>Flammable Limits</b> N/A	<b>LEL</b> N/A	<b>UEL</b> N/A
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**Extinguishing Media** Use water fog extinguishing media  
**Special Fire Fighting Procedures** wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

**Unusual Fire and Explosion Hazards** Material can spatter above 212°F. Film can burn. When heated to decomposition, hydrogen cyanide, carbon monoxide & ammonia may be emitted.

(Reproduce locally)

SENT BY STATESVILLE

**Section V - Reactivity Data**

Stability	Unstable	Conditions to Avoid	None known
	Stable	X	

Incompatibility (Materials to Avoid) **Acids and alkalis**

Hazardous Decomposition or Byproducts  
**Highly toxic cyanide gas is emitted if heated to decomposition by fire.**

Hazardous Polymerization	May Occur	Conditions to Avoid	Hazardous Decomposition products: Hydrogen
	Will Not Occur	X	Cyanide, Carbon Monoxide & Ammonia when exposed to extreme heat

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	No apparent hazard	Slightly irritating	Slightly toxic
Health Hazards (Acute and Chronic) See above			

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
N/A			

Signs and Symptoms of Exposure  
**Contact with the eyes may result in moderate irritation. Prolonged or repeated skin contact may result in irritation.**

Medical Conditions Generally Aggravated by Exposure **N/A**

Emergency and First Aid Procedures  
**Eyes: Flush with water.**  
**SKIN: Wash affected areas with soap & water.**  
**Ingestion: If swallowed, dilute with water & induce vomiting (if conscious).**

**Section VII - Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled  
**Floor may be slippery; use care to avoid falling. Transfer to containers for recovery or disposal. Keep out of municipal sewers and open bodies of water.**

Waste Disposal Method  
**Incinerate at a permitted facility according to current local, state and federal regulations.**

Precautions to Be Taken in Handling and Storing  
**Keep from freezing - product may coagulate.**

Other Precautions **N/A**

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)  
**None required with adequate ventilation & normal operating conditions.**

Ventilation	Local Exhaust	Adequate	Special
	Mechanical (General)		Other

Protective Gloves **Impervious** Eye Protection **Chemical goggles**

Other Protective Clothing or Equipment  
**Eyewash fountains and safety showers must be easily accessible.**

Work/Hygiene Practices  
**Avoid skin contact.**