

21813-XXXX**Submit by Email**

Artist Pen Ink

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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.

IDENTITY (As Used on Label and List) Artist Pen Ink - all colors (Black, Blue, Green, Red, Yellow, Orange, Violet, and Sepia)	<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

Manufacturer's Name Chartpak Inc.	Emergency Telephone Number (800) 424-9300
Address (Number, Street, City, State, ZIP Code) One River Road Leeds, MA 01053	Telephone Number for Information (413) 584-5446
	Date Prepared 12/12
	Supersedes 3/08

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ammonium Hydroxide (1336-21-6)**		25ppm as NH ₃		0.9 - 1.5
Phenol (108-95-2)	5ppm	5ppm		0.05 - 0.4
*Ethylene Glycol (107-2-1)	50ppm ceiling conc.	50ppm ceiling conc.		1.4

Non-Hazardous Components

Water				65 - 75
Carbon Black (1333-86-4)**				6 - 7
Shellac (9000-59-3)				6 - 7
Organic Pigments				1 - 6
1,2,6 Trihydroxyhexane (106-69-4)				10 - 15

Additional Information: All ingredients are listed in the EPA toxic substances control act inventory (TSCA)
Sara Title 313: *Listed
HMIS: HI FO RO
** Black only

Section III - Physical/Chemical Characteristics

Boiling Point	216°F	Specific Gravity (H ₂ O = 1)	1.065
Vapor Pressure (mm Hg.)	Like Water	Melting Point	20°F
Vapor Density (AIR = 1)	Like Water	Evaporation Rate	Like Water
Solubility in Water	Miscible		
Appearance and Odor	Black liquid with mild odor		

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Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	None ASTM D56	Flammable Limits	LEL	None	UEL	None
Extinguishing Media	This ink will not burn or support combustion					
Special Fire Fighting Procedures	High temperatures will evaporate the water and the remaining residue will burn. Water is an adequate extinguishing medium.					
Unusual Fire and Explosion Hazards	NONE					

Section V - Reactivity Data

Stability	Unstable		Conditions To Avoid	NONE
	Stable	X		
Incompatibility (Materials to Avoid)	NONE			
Hazardous Decomposition or Byproducts	Ammonia, oxides of carbon and nitrogen			
Hazardous	May Occur		Conditions to Avoid	NONE
Polymenzation	Will Not Occur	X		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	X	Skin?	X	Ingestion?
Carcinogenicity:	NONE	NTP?	IARC Monographs?		OSHA Regulated?
Signs and Symptoms of Exposure (Acute & Chronic)	Contact with eyes or skin may result in irritation, ingestion may result in gastric disturbances, inhalation may irritate the respiratory tract. Under normal ink usage neither acute nor chronic effects from over exposure are expected.				
Medical Conditions Generally Aggravated by Exposure	None Expected				
Emergency and First Aid Procedures	If inhaled, move to fresh air, flush eyes with water for at least 15 minutes, wash skin with soap and water. If ingested, drink 1 or 2 glasses of water to dilute. If irritation develops, get medical attention immediately.				

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	Wipe at once. Dried ink can be soaked with soap solution and rinsed.
Waste Disposal Method	Bury, incinerate, or run into sewer in accordance with all legal regulations.
Precautions to Be Taken in Handling and Storing	Avoid temperature extremes
Other Precautions	NONE

Section VIII - Control Measures

Respiratory Protection (Specify Type)	Not Required for normal usage			
Ventilation	Local Exhaust	Not Required	Special	Not Required
	Mechanical (General)	Is normally sufficient to maintain exposure below TLV's	Other	Not Required
Protective Gloves	Recommended to avoid staining hands.		Eye Protection	Recommended to avoid splashing into eyes.
Other Protective Clothing or Equipment	None			
Work/Hygienic Practices	Wash hands thoroughly before eating, smoking, or using toilet facilities.			