

21133-1021

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3080 White 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.

<b>IDENTITY (As Used on Label and List)</b> 3080 White Ink	<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**

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

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

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
None				

**Non Hazardous Components:**

Titanium Dioxide 13463-67-7	35%
Water	60-65%
Polyvinyl pyrrolidone 9003-39-8	1-2%

The remaining non-hazardous ingredients are all less than 0.5% each

**Additional Information:** All ingredients are listed in the EPA Toxic Substances Control Act Inventory (TSCA)  
SARA Title III Sect. 313: not listed  
HMIS: H1 F0 R0

**Section III - Physical/Chemical Characteristics**

<b>Boiling Point</b>	208°F	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.33
<b>Vapor Pressure (mm Hg.)</b>	Like Water	<b>Melting Point</b>	30°F
<b>Vapor Density (AIR = 1)</b>	Like Water	<b>Evaporation Rate</b>	Like Water
<b>Solubility in Water</b>	Miscible		
<b>Appearance and Odor</b>	Low viscosity white fluid, mild characteristic odor		

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

<b>Flash Point (Method Used)</b>	168°F ASTM D56	<b>Flammable Limits</b>	LEL	N.A.	UEL	N.A.
<b>Extinguishing Media</b>	This ink will not burn or support combustion					
<b>Special Fire Fighting Procedures</b>	None					
<b>Unusual Fire and Explosion Hazards</b>	None					

**Section V - Reactivity Data**

<b>Stability</b>	Unstable		<b>Conditions To Avoid</b>
	Stable	X	
<b>Incompatibility (Materials to Avoid)</b>	None		
<b>Hazardous Decomposition or Byproducts</b>	None		

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Hazardous Polymenzation	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI - Health Hazard Data**

<b>Route(s) of Entry:</b>	None	Inhalation?	Skin?	Ingestion?
<b>Health Hazards (Acute and Chronic)</b>	Non-toxic LD <sub>50</sub> (Rats) Greater than 5g/Kg No known health hazards			
<b>Carcinogenicity:</b>	None	NTP?	IARC Monographs?	OSHA Regulated?
<b>Signs and Symptoms of Exposure</b>	None expected			
<b>Medical Conditions Generally Aggravated by Exposure</b>	None expected			
<b>Emergency and First Aid Procedures</b>	SKIN: Wash with soap and water. EYES: Flush with large amounts of water for 15 minutes, and get medical attention. INGESTION: Dilute by drinking 1-2 glasses of water, get medical attention for larger ingested quantities (greater than 50ml).			

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

<b>Steps to Be Taken in Case Material is Released or Spilled</b>	Wash with soap and water
<b>Waste Disposal Method</b>	Bury, incinerate, or run into sewer in accordance with federal, state, and local regulations.
<b>Precautions to Be Taken in Handling and Storing</b>	Avoid temperature extremes.
<b>Other Precautions</b>	Keep from freezing.

**Section VIII - Control Measures**

<b>Respiratory Protection (Specify Type)</b>	Not necessary			
Ventilation	Local Exhaust	Not necessary	Special	None
	Mechanical (General)	Recommended	Other	None
Protective Gloves	Not necessary		Eye Protection	Not necessary
Other Protective Clothing or Equipment	Not necessary			
Work/Hygienic Practices	Wash hands before eating, smoking, or using toilet facilities.			

NA - Not applicable ND - Not Determined