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Chartpak Inc.

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21133-1021
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3080 White Ink

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)
3080 White Ink

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.

Section I

Manufacturer's Name KOH-I-NOOR Inc.	Emergency Telephone Number (908) 479-4124	
Address (Number, Street, City, State, ZIP Code) 100 North Street	Telephone Number for Information (908) 479-4124	
P.O. Box 68 Bloomsbury, NJ 08804-0068	Date Prepared 03/28/03	Supersedes 05/21/99

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

Boiling Point	208°F	Specific Gravity (H₂O = 1)	1.33
Vapor Pressure (mm Hg.)	Like Water	Melting Point	30°F
Vapor Density (AIR = 1)	Like Water	Evaporation Rate	Like Water
Solubility in Water	Miscible		
Appearance and Odor	Low viscosity white fluid, mild characteristic odor		

Section IV - Fire and Explosion Hazard Data

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

Section V - Reactivity Data

Stability	Unstable		Conditions To Avoid
	Stable	X	
Incompatibility (Materials to Avoid)	None		

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Hazardous Decomposition or Byproducts None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry: None Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic) Non-toxic LD₅₀ (Rats) Greater than 5g/Kg
No known health hazards

Carcinogenicity: None NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure None expected

Medical Conditions Generally Aggravated by Exposure None expected

Emergency and First Aid Procedures
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**

Steps to Be Taken in Case Material is Released or Spilled Wash with soap and water

Waste Disposal Method Bury, incinerate, or run into sewer in accordance with federal, state, and local regulations.

Precautions to Be Taken in Handling and Storing Avoid temperature extremes.

Other Precautions Keep from freezing.

Section VIII - Control Measures

Respiratory Protection (Specify Type) 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/Hygiene Practices Wash hands before eating, smoking, or using toilet facilities.

NA - Not applicable ND - Not Determined