

22119-1005
- 4010**ZEBRA PEN**242 Raritan Center Parkway
Edison, NJ 08837**MATERIAL SAFETY DATA SHEET**NAME: Water Based Ink - Highlighters
CAS NO: NA

A-IDENTIFICATION			
<u>Composition</u>		%	Formula: Mixture
Water			Molecular Weight: NA
Dyestuff			Synonyms: Zazzle
Pigment			
Resin			
Water Miscible Humectant			
B-PHYSICAL DATA			
Boiling Point		Melting Point	
F more than 100 C		F NA C	
Specific Gravity		Vaper Density (air=1)	
1.1~1.3		NA	
Evaporation (Butyl Acetate=1)		Saturation in Air (by volume @ F)	
>1		NA	
% Volatiles		Solubility in Water	
		soluble	
Appearance Odor		Freezing Point	
Colored fluid		F NA C	
Flash Point and Test Method(s)		Vaper Pressure @ 20C	
NA		NA mmHg	
Flammable Limits in air (% by volume)		Autoignition Temperature	
Lower _____ % Upper _____ %		NA F NA C	
C-REACTIVITY			
Stability	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable	Polymerization
			<input type="checkbox"/> may occur <input checked="" type="checkbox"/> will not occur
<u>Condition to Avoid</u>		<u>Condition to Avoid</u>	
Product is noninflammable		NA	
<u>Incomprable Materrals</u>		<u>Hazardous Decomposition Products</u>	
Strong Oxidizers		Thermal degradation may produce oxides of carbon and nitrogen and various hydrocarbons.	
*IF MULTIPLE INGREDIENTS, INCLUDE CAS NUMBERS FOR EACH NA=NOT AVAILABLE			



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Page 1



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D-HEALTH HAZARD DATA	
Occupational Exposure Limits PEL's , TLV's , etc	
8-Hour TWA's:	NA
Warning Signals	
	NA
Routine / Effects of Exposure	
1. Inhalation	No adverse effects anticipated from normal use.
2. Ingestion	No adverse effects anticipated from normal use .
3. Skin	<p><u>a. Contact</u> No adverse effects anticipated from normal use . Irritation may occur if contact is prolonged / repeated .</p> <p><u>b. Absorption</u> No adverse effects anticipated from normal use .</p>
4. Eye Contact	If splashed into eye , irritation can occur .
5. Other	NA
E-ENVIRONMENTAL IMPACT	
1. Applicable regulations	NA
2. DOT Hazard Class	
3. DOT Shipping Name	
Environmental Effect	NA



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F-EXPOSURE CONTROL METHODS

Engineering Controls

None under normal use conditions .

Eye Protection

None under normal use conditions .

Skin Protection

None under normal use conditions .

Respiratory Protection

None under normal use conditions .

Other

Product is non-hazardous when used as directed in an office/room with normal air condition .

G-WORK PRACTICES

Handling and Storage

NA

Normal Clean Up

Pick up spills with towels , tissues , etc .

Waste Disposal Methods

Dispose in accordance with applicable federal , state and local laws .



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H-EMERGENCY PROCEDURES

Steps to be taken if material is released to the environment or spilled in the work area
Not applicable

Fire and Explosion Hazard

NA

Extinguishing Media

Firefighting Procedures

NA

I-FIRST AID AND MEDICAL EMERGENCY PROCEDURES

Eyes

Flush eyes with plenty of water . If irritation persists , obtain medical attention .

Skin

Wash with soap and water .

Inhalation

No adverse effects anticipated from normal use .

Ingestion

Consult physician.

Note to Physician

01/2003

Page 4