

**ZEBRA® PEN**242 Raritan Center Parkway
Edison, NJ 08837**MATERIAL SAFETY DATA SHEET**NAME: Jimmie Gel Retractable and Antique
CAS NO: NA

A-IDENTIFICATION			
Composition		%	Formula, Mixture
Water			Molecular Weight: NA
Glycerol(56-81-5)			Synonyms: Jimmie Gel Rollerball, JellB
Pigment			Jimmie Gel Retractable SARASA
Resin			Jimmie Gel Antique Antir Gel
			J-ROLL OR Gel Ink Rollerball
B-PHYSICAL DATA			
Boiling Point		Melting Point	
more than 100 °C		NA °F NA °C	Freezing Point
Specific Gravity		Vapor Density (air = 1)	Vapor Pressure (mm Hg)
1.05-1.10		4.8	NA
Evaporation (Butyl Acetate=1)		Saturation in Air (by volume %)	Autoignition Temperature
1%		NA	NA °F NA °C
% Volatiles		Solubility in Water	pH
NA		Soluble	NA
Appearance Odor: Colored fluid			
Flash Point and Test Method(s): NA			
Flammable Limits in air (% by volume) Lower: _____ % Upper: _____ %			
C-REACTIVITY			
Stability	☒ Stable	☐ Unstable	Polymerization: ☐ may occur ☒ will not occur
Condition to Avoid: Product is noninflammable.		Condition to Avoid: NA	
Incompatible Materials: Strong Oxidizers		Hazardous Decomposition Products: 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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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

a. Contact

No adverse effects anticipated from normal use. Irritation may occur if contact is prolonged / repeated.

b. Absorption

No adverse effects anticipated from normal use.

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 officeroom 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

NA

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