

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.

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072



**IDENTITY** (As Used on Label and List)  
 RL00 Rolling Writer (Roller Pen)

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 Pentel of America, Ltd.	Emergency Telephone Number (800) 421-1419
Address (Number, Street, City, State, and ZIP Code) 2715 Columbia Street Torrance, CA 90503	Telephone Number for Information (310) 320-3831
	Date Prepared 3/8/93
	Signature of Preparer (optional) Quality Assurance Department

**Section II — Hazardous Ingredients/Identify Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethylene glycol	N/A	N/A	N/A	10%

**Section III — Physical/Chemical Characteristics**

Boiling Point	386.6	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Miscible		
Appearance and Odor	N/A		

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

Flash Point (Method Used)	240 °F	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	N/A						
Special Fire Fighting Procedures	N/A						
Unusual Fire and Explosion Hazards	N/A						

**Section V -- Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (Materials to Avoid)

**Hazardous Decomposition or Byproducts**

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

**Section VI -- Health Hazard Data**

Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
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Health Hazards (Acute and Chronic)

Carcinogenicity	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure  
N/A

Medical Conditions Generally Aggravated by Exposure  
N/A

Emergency and First Aid Procedures  
Flush with water

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

Steps to Be Taken in Case Material Is Released or Spilled  
Flush with water

Waste Disposal Method  
Non-hazardous waste

Precautions to Be Taken in Handling and Storing  
None

Other Precautions  
None

**Section VIII -- Control Measures**

Respiratory Protection (Specify Type)			
N/A			
Ventilation	Local Exhaust	N/A	Special N/A
	Mechanical (General)	N/A	Other N/A
Protective Gloves	N/A	Eye Protection	N/A
Other Protective Clothing or Equipment	N/A		
Work/Hygienic Practices	N/A		

**Section V -- Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

**Section VI -- Health Hazard Data**

Route(s) of Entry:	Inhalation? N/A	Skin? N/A	Ingestion? N/A
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Health Hazards (Acute and Chronic)

Carcinogenicity	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure  
N/A

Medical Conditions Generally Aggravated by Exposure  
N/A

Emergency and First Aid Procedures  
Flush with water

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

Steps to Be Taken in Case Material Is Released or Spilled  
Flush with water

Waste Disposal Method  
Non-hazardous waste

Precautions to Be Taken in Handling and Storing  
None

Other Precautions  
None

**Section VIII -- Control Measures**

Respiratory Protection (Specify Type)  
N/A

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical (General)	N/A	Other	N/A

Protective Gloves	N/A	Eye Protection	N/A
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Other Protective Clothing or Equipment  
N/A

Work/Hygienic Practices  
N/A