ITEMS 1077192, 1077193, 1077194, 1077195

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)*
R100 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/Identity 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_2O = 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

(Reproduce locally)

OSHA 174, Sept. 1985

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

Health Hazards (*Acute and Chronic*)

Carcinogenicity: NTP? N/A | IARC Monographs? N/A | OSHA Regulated? N/A

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

* U.S.G.P.O.: 1986-491-529/45775