

Material Safety Data Sheet

QUICK IDENTIFIER (In Plant Common Name)

PENTEL Correction Pen (Blue)

Manufacturer's Name Pentel of America, Ltd.

Address 2715 Columbia St.
Torrance, CA 90503Signature of Person
Responsible for Preparation

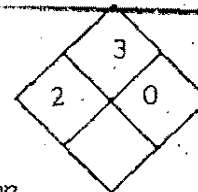
Quality Assurance Dept.

7/1/92

HAZARD RATING

- 4 = Extreme
- 3 = High
- 2 = Moderate
- 1 = Slight
- 0 = Insignificant

HEALTH



REACTIVITY

See Section (5): Inhalation

SPECIFIC HAZARD

SECTION 1 - IDENTITY

Common Name: (used on label)
(Trade Name & Synonyms) ZL1-W Correction Pen (Multi-purpose)Chemical
Name

Formula Proprietary

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical & common name(s))	%	ACGIH TLV	Other Limits Recommended
methylcyclohexane (Hexahydrotoluene)	32	400 ppm	---

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point	not established	Specific Gravity (H ₂ O = 1)	1.6	Vapor Pressure (mm Hg)	not established
Percent Volatile by Volume (%)	32	Vapor Density (Air = 1)	> 1	Evaporation Rate (_____ = 1)	not established
Solubility in Water	insoluble	Reactivity in Water	none		
Appearance and Odor	White viscous liquid, sweet odor				

Flash Point	product -38 F (C.)	Flammable Limits (by Volume)	Lower 1.2	Upper 6.7	Extinguisher Media	CO ₂ , foam, dry chemical	Auto-ignition Temperature	not established
Special Fire Fighting Procedures	Extremely flammable liquid, water may spread flames.							

Unusual Fire and
Explosion Hazards None

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.

SECTION 4 - REACTIVITY DATA

PENTEL Correction Pen (BLUE)

Unstable		Conditions to Avoid	
Stable	X	Avoid heat sources, sparks, flames	MSDS #: 1877

Incompatibility (Materials to Avoid)

Strong oxidizers

Hazardous Decomposition or Byproducts

None recognized

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

SECTION 5 - HEALTH HAZARDS

Route(s) of Entry: Inhalation? Skin? Ingestion?
 avoid inhalation avoid contact do not ingest

Health Hazards (Acute and Chronic)

Most likely route of exposure- INHALATION; Target organ system and effects: CNS depression.

Deliberate inhalation (abuse) can lead to narcosis, unconsciousness, death.

Acute oral LD50 15g/kg; Not considered to be a primary skin or eye irritant.

Carcinogenicity:

Contains no known carcinogen

Signs and Symptoms of Exposure

Headache, CNS depression, narcosis, unconsciousness

Emergency and
First Aid Procedures

1. Inhalation Move overcome person to fresh air; administer artifical respiration if necessary.
2. Eyes Irrigate immediately with water
3. Skin Wash with soap and water
4. Ingestion Give milk but do not induce vomiting

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection
(Specify Type) Chemical cartridge respirator fitted with organic vapor cartridge

Ventilation	Local	Mechanical	Special	Other
YES	Exhaust	recomended	(General) adequate	---

Protective	Eye
Goggles Yes with continuous exposure	Protection Goggles if contact likely

Other Protective

Clothing or Equipment Not required

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken
in Handling and Storage

Store and ship materials in closed containers. Material is volatile;

vapors are heavier than air. Do not store near heat sources or flames.

Other

Precautions

Steps to be Taken in Case

Material is Released or Spilled

Apply absorbant materials to contain spill; Ventilate spill area.

Waste Disposal

Landfill in accordance with State and Federal