PENTEL

MATERIAL SAFETY DATA SHEET

ISSUE NUMBER

: W1-BL570000-01-E

ISSUE DATE:Dec.13,2004

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

: ENERGEL REFILLABLE

Gel Roller Pen

COMPANY NAME

: PENTEL CO. LTD

ADDRESS

7-2 KOAMI-CHO, NIHONBASHI, CHUO-KU, TOKYO, 103-8538 JAPAN

TELEPHONE NO.

: 03-3667-3333 (JAPAN)

DEPARTMENT

QUALITY ASSURANCE DEPARTMENT

PRODUCT CODE

BL57-A Black) BL57-B Red) BL57-C Blue)

2 COMPOSITION/INFORMATION OR IDENTIFICATION

《CHEMICAL NAME》

CONCENTRATION

CAS NO.

ETHYLENE GLYCOL DIETHYLENE GLYCOL

9.7% 7.3%

107-21-1

GLYCEROL

7.3%

111-46-6 56-81-5

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEV: N/A

HAZARDS

SPECIFIC HAZARDS

: N/A

PHYSICAL/CHEMICAL

N/A

HEALTH EFFECTS

Causes slight skin and eye irritation.

ENVIRONMENTAL EFFEC: N/A

FIRST AID MEASURES

INHALATION

: N/A

EYE CONTACT

Immediately flush eyes with plenty of water for at least 15

minutes. Get medical attention, if irritation persists.

SKIN CONTACT

Immediately wash skin with soap and plenty of water, Remove

contaminated clothing. Get medical attention if symptoms

occur. Wash clothing before reuse.

INGESTION

Give victim a glass of water or milk. Never give anything by mouth to an unconscious person. Get medical attention if

symptoms occur.

5 FIRE FIGHTING MEASURES

FIRE FIGHTING METHO: No flammable liquid

6 ACCIDENTAL RELEASE MEASURES

EXTINGUISHING MEDIA: N/A

LAND SPILL

: Absorb the liquid and scrub the area with detergent and water.

WATER SPILL

: N/A

7 HANDLING AND STORAGE

HANDLING

: Keep away from sources of ignition, heat, and direct sunlight.

STORAGE

: Store away flom sources of ignition, heat, and direct sunlight.

PENTEL

MATERIAL SAFETY DATA SHEET

ISSUE NUMBER

: W1-BL570000-01-E

ISSUE DATE:Dec.13,2004

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTRO: No special controls are needed.

PERSONAL PROTECTIVE EQUIPMENT:

None needed.

SKIN/BODY/HAND

None needed.

RESPIRATORY

None needed.

EXPOSURE GUIDELINES: N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE

Liquid. (ink)

APPEARANCE

ball point pen

COLOR

black, red, blue

ODOR

none

SOLUBILITY IN WATER Soluble.

10 STABILITY AND REACTIVITY

CHEMICAL STABILITY

: Stable at room temperature.

CONDITIONS TO AVOID:

Avoid temperatures above 104° F 40°C).

Store away from sources of ignition, heat, and direct sunlight.

11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

: N/A

EYE EFFECTS

N/A

SKIN EFFECTS

: N/A

CHRONIC EFFECTS

: N/A

CARCINOGENICITY

: N/A

12 ECOLOGICAL INFORMATION

: N/A

13 DISPOSAL CONSIDERATIONS

Comply with all federal, state, and local regulations.

•Do not dump this material into sewers, on the ground or into any body of water.

14 TRANSPORT INFORMATION

Comply with all federal, state, and local regulations.

See above Section 7, "HANDLING AND STORAGE."

15 REGULATORY INFORMATION

N/A

16 OTHER INFORMATION

None

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of PENTEL Co., Ltd. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or in any process. PENTEL Co., Ltd. assumes no legal responsibility for use of or reliance upon this information.