

ISSUE NUMBER : W1-BL770000-01-E

ISSUE DATE:Dec.21,2005

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ENERGEL Retractable
Gel Roller Pen (0.7mm)
 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 : BL77-A(Black),B(Red),C(Blue),D(Green),V(Violet)

2 COMPOSITION/INFORMATION OR IDENTIFICATION

《 CHEMICAL NAME 》	《CONCENTRATION	《CAS NO.》
ETHYLENE GLYCOL	9-10%	107-21-1
DIETHYLENE GLYCOL	7-8%	111-46-6
GLYCEROL	7-8%	56-81-5

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : N/A

HAZARDS

SPECIFIC HAZARDS : N/A
 PHYSICAL/CHEMICAL : N/A
 HEALTH EFFECTS : Causes slight skin and eye irritation.
 ENVIRONMENTAL EFFEC : N/A

4 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
 EXTINGUISHING MEDIA : N/A

6 ACCIDENTAL RELEASE MEASURES

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 from sources of ignition, heat, and direct sunlight.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTRO : No special controls are needed.

PERSONAL PROTECTIVE EQUIPMENT:

EYE : 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,green,violet
 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

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