

ISSUE NUMBER : W1-BL107001-01-E

ISSUE DATE:Nov 18,2010

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ENERGEL X
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 : BL107-A(Black),B(Red),C(Blue),D(Green),V(Violet)

2 COMPOSITION/INFORMATION OR IDENTIFICATION

| 《 CHEMICAL NAME 》 | 《CONCENTRATION》 | 《CAS NO.》 |
|-------------------|-----------------|-----------|
| 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 EFFECT : 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 METHOD : 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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL : No special controls are needed.

PERSONAL PROTECTIVE EQUIPMENT:

EYE : None needed.
SKIN/BODY/HAND : None needed.
RESPIRATORY : None needed.
EXPOSURE GUIDELINES : N/A

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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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