

ISSUE NUMBER : W1-BLN105001-01-E

ISSUE DATE:Nov 18,2010

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ENERGEL X
 Gel Roller Pen (0.5mm)
 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 : BLN105-A(Black),B(Red),C(Blue)

2 COMPOSITION/INFORMATION OR IDENTIFICATION

	《 CHEMICAL NAME 》	《CONCENTRATION》	《CAS NO.》
*1	DIETHYLENE GLYCOL	7~8%	111-46-6
	GLYCEROL	8~9%	56-81-5
*2	THIODIGLYCOL	9~10%	111-48-8

*1 Used only for BLN105-B,C

*2 Used only for BLN105-A

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.

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RESPIRATORY : None needed.
EXPOSURE GUIDELINES : N/A

9 PHYSICAL AND CHEMICAL PROPERTIESPHYSICAL STATE : Liquid.(ink)
APPEARANCE : ball point pen
COLOR : black,red,blue
ODOR : none
SOLUBILITY IN WATER : Soluble.

10 STABILITY AND REACTIVITYCHEMICAL 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 INFORMATIONACUTE 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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