

ISSUE NUMBER : W1-BL600000-02-E

ISSUE DATE:Dec.6,2005

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**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME : ENERGEL REFILLABLE  
Gel Roller Pen (1.0mm)  
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 : BL60-AX(Black),BX(Red),CX(Blue),VX(Violet)  
BL60-AO(Black),BO(Red),CO(Blue)

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**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

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**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 EFPEC : N/A

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**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.

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**5 FIRE FIGHTING MEASURES**

FIRE FIGHTING METHO : No flammable liquid  
EXTINGUISHING MEDIA : N/A

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**6 ACCIDENTAL RELEASE MEASURES**

LAND SPILL : Absorb the liquid and scrub the area with detergent and water.  
WATER SPILL : N/A

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**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 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,violet

ODOR : none

SOLUBILITY IN WATER : Soluble.

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**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.

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**11 TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY : N/A

EYE EFFECTS : N/A

SKIN EFFECTS : N/A

CHRONIC EFFECTS : N/A

CARCINOGENICITY : N/A

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**12 ECOLOGICAL INFORMATION**

: N/A

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**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.

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**14 TRANSPORT INFORMATION**

•Comply with all federal, state, and local regulations.

•See above Section 7, "HANDLING AND STORAGE."

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**15 REGULATORY INFORMATION**

•N/A

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**16 OTHER INFORMATION**

•None

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