

ISSUE NUMBER : W1-BL770000-01-E

ISSUE DATE:Dec.21,2005

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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)

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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 EFFEC : 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 CONTRO : 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.

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**10 STABILITY AND REACTIVITY**

CHEMICAL STABILITY : Stable at room temperature.

CONDITIONS TO AVOIC : 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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