

ISSUE NUMBER : W1-BL407000-01-E

ISSUE DATE:JUN.12,2008

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ENERGEL BL407

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 : BL407-A
 BL407A-A
 BL407P-A

2 COMPOSITION/INFORMATION OR IDENTIFICATION

《 CHEMICAL NAME 》	《CONCENTRATION	《CAS NO.》
ETHYLENE GLYCOL	9.7%	107-21-1
DIETHYLENE GLYCOL	7.3%	111-46-6
GLYCEROL	7.3%	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
- ODOR : none
- PH : 7 ≤
- BOILING POINT : N/A
- MELTING POINT : N/A
- VAPOR PRESSURE : N/A
- SPECIFIC GRAVITY : N/A
- SOLUBILITY IN WATER : Soluble.
- VISCOSITY : N/A

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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