

ISSUE NUMBER : W1-BL407000-01-E

ISSUE DATE: JUN.12,2008

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : ENERTEL BL407

COMPANY NAME : PENDEL 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 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  
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

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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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