

ISSUE NUMBER : S1-SES15NA1-01-E

ISSUE DATE:Aug.4, 2008

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Sign Pen brush tip

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 : XSES15NA

2 COMPOSITION/INFORMATION OR IDENTIFICATION

《 CHEMICAL NAME 》	《CONCENTRATION	《CAS NO.》
Ethylene glycol	5%	107-21-1
Diethylene glycol	10%	111-46-6
Thiodi glycol	12%	111-48-8

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : N/A

HAZARDS

SPECIFIC HAZARDS : N/A

PHYSICAL/CHEMICAL : N/A

HEALTH EFFECTS : N/A

ENVIRONMENTAL EFFEC : N/A

4 FIRST AID MEASURES

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 : Immediately flush mouth with plenty of water. Small amounts swallowed are not likely to cause injury. Get medical attention,if swallowed large amounts do not induce vomiting,and/or 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

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid.(ink)

APPEARANCE : Sign pen

COLOR : black

ODOR : none

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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