

ISSUE NUMBER : S1-S5200001-03-E

ISSUE DATE:March.31, 2009

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Sign Pen

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 : S520-A(Black),B(Red),C(Blue),D(Green)
E(Brown), F(Orange), G(Yellow), N(Grey)
P(Pink), S(Sky Blue), V(Violet), Y(Yellow Ochre)

2 COMPOSITION/INFORMATION OR IDENTIFICATION

| 《 CHEMICAL NAME 》 | 《CONCENTRATION》 | 《CAS NO.》 |
|---------------------------------------|-----------------|-----------|
| Ethylene glycol | 15-28% | 107-21-1 |
| *1 Diethylene glycol | 15% | 111-46-6 |
| *2 Poly(oxyethylene)nonylphenyl ether | 1.2% | 9016-45-9 |
| *3 Propylene Glycol | 2.4-10% | 57-55-6 |
| *1 Only used for S520-C, G, V | | |
| *2 Only used for S520-B, E, F, G, P | | |
| *3 Only used for S520-G, V | | |

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : N/A

HAZARDS

SPECIFIC HAZARDS : N/A

PHYSICAL/CHEMICAL : N/A

HEALTH EFFECTS : N/A

ENVIRONMENTAL EFFECT : 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 : 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 METHOD : 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

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,Red,Blue,Green, Bro Orange, Yeiow, Grey
Pink, Sky Blue, Violet, Yellow Ochre

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

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of PENTEL Co.,Ltd. It relates only to the specific material designated herein, and does not relate to

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