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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)

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## 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            |                 |           |

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## 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : N/A

## HAZARDS

SPECIFIC HAZARDS : N/A  
PHYSICAL/CHEMICAL : N/A  
HEALTH EFFECTS : N/A  
ENVIRONMENTAL EFFECT : 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 : 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.

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## 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

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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 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 : Sign pen

COLOR : Black, Red, Blue, Green, Bro' Orange, Yell'ow, Grey  
Pink, Sky Blue, Violet, Yellow Ochre

ODOR : none

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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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