

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

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