

11/07/06 TUE 14:45 FAX 310 533 1401

PENTEL CORP

**22132-XXXX**

002

**PENTEL****MATERIAL SAFETY DATA SHEET**

1/2

ISSUE NUMBER : S1-SMW56001-01-E

ISSUE DATE: Dec.6, 2005

**1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME :  
 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 : SMW56-AO(Black),BO(Red),CO(Blue),DO(Green),FO(Orange)  
 ,GO(Yellow),VO(Violet),WO(White)

**2 COMPOSITION/INFORMATION OR IDENTIFICATION**

《CHEMICAL NAME》	《CONCENTRATION》	《CAS NO.》
Ethylene glycol	3%	107-21-1
Ethyl alcohol	2%	64-17-5
Isopropyl alcohol	1%	67-63-0

**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,Red,Blue,Green,Orange, Yellow, Violet, White

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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