

ISSUE NUMBER : Q1-100W0001-04-E ISSUE DATE:Dec.4, 2009

### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : White marker (Broad bullet point) **ITEM 1065182**

COMPANY NAME : PENTEL CO.,LTD  
 ADDRESS : 7-2 KOAMI-CHO NIHONNBASHI CHUO-KU TOKYO 103-8538 JAPAN  
 TELEPHONE No. : 03(3667)3333  
 DEPARTMENT : QUALITY ASSURANCE DEPARTMENT

PRODUCT CODE : X100-W (white)

**Ink was changed from August,2008 production.**

### 2 COMPOSITION/INFORMATION ON IDENTIFICATION

A SUBSTANCE / A PREPARATION ; A PRAPARATION

《 CHEMICAL NAME 》	《 CONCENTRATION 》	《 CAS No. 》
Butyl Acetate	19.5%	123-86-4
Isopropyl Alcohol	15.0%	67-63-0
Propylene Glycol Monomethyl Ether Acetate	9.8%	108-65-6
Xylene	1.4%	1330-20-7
(contains Ethylbenzene		100-41-4)
Titanium Dioxide	32.7%	13463-67-7
Mineral Spirits	2.7%	8052-41-3

### 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : Flammable liquid  
 •Intentional misuse by deliberately concentrating and inhaling  
 the contents can be harmful or fetal.

#### HAZARDS

HEALTH EFFECTS : N/A  
 ENVIRONMENTAL EFF : N/A  
 PHYSICAL/CHEMICAL : N/A  
 SPECIFIC HAZARDS : 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 symtonms occur.Wash clothing before reuse.

INGESTION : Immediately wash mouth with plenty of water.  
 If swallowed,do not induce vomiting.  
 Get medical attention if symptoms occur.

### 5 FIRE-FIGHTING MEASURES

FIRE-FIGHTING METHC : Use following extinguishing media.  
 EXTINGUISHING MEDIA : Carbon dioxide,dry chemical,form chemical

### 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL : Absorb the liquid and scrub the area with detergent and water.

WATER SPILL : N/A

### 7 HANDLING AND STRAGE

HANDLING : Keep away from sources of ignition,heat,and direct sunlight.  
 Direct sources of heat must be avoid.

STORAGE : Store away from sources of ignition,heat,and direct sunlight.  
 A moderately cool,dry,well-ventilated area.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL : for normal use;No special controls are needed.

PERSONAL PROTECTIVE EQUIPMENT:

EYE : No special equipment are needed.  
SKIN/BODY/HAND : No special equipment are needed.  
RESPIRATORY : No special equipment are needed.

EXPOSURE GUIDELINE : N/A

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9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid  
APPEARANCE : Pen(White permanent and water—proof marker)  
COLOR : 1 color(White)  
ODOR : peculiar smell  
PH : N/A  
BOILING POINT : N/A  
MELTING POINT : N/A  
VAPOUR PRESSURE : N/A  
VAPOUR DENSITY : N/A  
SOLUBILITY IN WATER : insoluble  
VISCOSITY : N/A

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10 STABILITY AND REACTIVITY

CHEMICAL STABILITY : STABLE AT ROOM TEMPERATURE  
CONDITION TO AVOID : Avoid temperatures above 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 national 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

FLASH POINT : 17.3°C  
UNNo : 1263

Comply with national and local regulations.  
See above Section 7,“HANDLING AND STRAGE”

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15 REGULATORY INFORMATION

N/A

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16 OTHER INFORMATION

NONE

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