

ISSUE NUMBER : Q1-MMP20001-02-E      ISSUE DATE:Aug.1 , 2013

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1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PAINT MARKER

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

**Australian Company** : **Pentel Australia Pty Ltd**  
**Address** : **Unit 4, 7 - 9 Orion Road, Lane Cove NSW 2066**  
**Phone** : **1300 88 87 86**  
**Emergency Phone** : **02 9425 4800**  
**ABN** : **72 008 457 725**

PRODUCT CODE : MMP20-WO,AO,BO,CO,DO,GO,PO,EO,  
 VO,KO,FO,SO,NO

INK WEIGHT : 6.5ml

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2 COMPOSITION/INFORMATION ON IDENTIFICATION  
 A SUBSTANCE / A PREPARATION ; A PRAPARATION

《CHEMICAL NAME》	《CONCENTRATION》	《CAS No.》
• Propylene glycol - monomethylether acetate	47~64%	108-65-6
• ethylcyclohexane	10~15%	1678-91-7
• Titanium dioxide	※1 3.0~32%	13463-67-8
• Carbon black	※2 0.32~3.5%	1333-86-4
• Cellulose nitrate	1.6~5.1%	9004-70-0
• Citric acid tributyl ester acetate	0.78~2.1%	77-90-7

※1: Used except for MMP20-AO  
 ※2: Used only for MMP20-AO,NO

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3 HAZARDS IDENTIFICATION

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

HAZARDS

HEALTH EFFECTS : N/A  
 ENVIRONMENTAL EFF : N/A  
 PHYSICAL/CHEMICAL : N/A  
 SPECIFIC HAZARDS : 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 wash mouth with plenty of water. If swallowed, do not induce vomiting. Get medical attention if symptoms occur.

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5 FIRE-FIGHTING MEASURES

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

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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. Direct sources of heat must be avoided.  
 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 CONTRO : 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.

EXPLOSURE GUIDELINE : N/A

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9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid

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APPEARANCE : Pen( permanent and water—proof marker)

COLOUR : 13color(White,Black,Red,Blue,Green,Brown,Orange,Yellow,  
Pink,Violet,Light Green,Orange,Sky Blue,Grey)

ODOUR : 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 temperature 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**

Comply with national 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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