ISSUE NUMBER : Q1-N5000001-02-E ISSUE DATE:Jan.1, 2014

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Felt Pen(permanent 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 : N50-A(Black) N50-B(Red) N50-C(Blue) N50-D(Green)
N50-E(Brown) N50-F(Orange) N50-G(Yellow) N50-V(Violet)
N60-A(Black) N60-B(Red) N60-C(Blue) N60-D(Green)

2 COMPOSITION/INFORMATION ON IDENTIFICATION

A SUBSTANCE / A PREPARATION ; A PRAPARATION

《 CHEMICAL NAME 》	《CONCENTRATION》	《CAS No.》
Xylene	45-71%	1330-20-7
*1 Isobutyl alcohol	3-15%	78-83-1
*2 Propylene glycol monoethyl ether	6-15%	1569-02-4
*3 Ethylene glycol monophenyl ether	3%	122-99-6
*4 C.I.Solvent Blue 5	0.4-2.5%	1325-86-6

*1 Used only for N50-A/B/D/E/F/G/V
*2 Used only for N50-B/C/D/E/F/G/V
*3 Used only for N50-A
*4 Used only for N50-C/V

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 occour.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 METHO : 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.

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.

EXPLOSURE GUIDELINE : N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid
APPEARANCE : Pen(permanent and water－proof marker)
COLOR : 8 colors(black,red,blue,green,brown,orange,yellow,violet)
ODOR : peculiar smell
PH : N/A
BOILING POINT : N/A
MELTING POINT : N/A
VAPOUR PRESSURE : N/A
VAPOUR DENSITY : N/A
SOLUBIITY IN WATER : insoluble
VISCOSITY : N/A

10 STABILITY AND REACTIVITY

CHEMICAL STABILITY : STABLE AT ROOM TEMPERATURE
CONDITION TO AVOID : Avoid temperatures above 40℃
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 national and local regelations.
Do not dump this material into sewers,on the ground or into any body of water.

14 TRANSPORT INFORMATION

Comply with national and local regelations.
See above Section 7,"HANDLING AND STRAGE"

15 REGURATORY INFORMATION

Comply with national and local regelations.

16 OTHER INFORMATION

NONE

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