

ISSUE NUMBER : Q1-N65W0001-01-E

ISSUE DATE:AUGUST.7, 2008

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Pentel PEN (Twin Tip)
Permanent Marker

COMPANY NAME : PENTEL STATIONARY(TAIWAN)CO.,LTD

ADDRESS : 2ND FL.,152,SEC.4,CHENG-DE RD.,TAIPEI,TAIWAN ROC

TELEPHONE NO. : +886-2-2883-7502

DEPARTMENT : QUALITY ASSURANCE DEPARTMENT

PRODUCT CODE : N65W-A
N65W-B
N65W-C

2 COMPOSITION/INFORMATION OR IDENTIFICATION

《 CHEMICAL NAME 》	《CONCENTRATION》	《CAS NO.》
Ethyl alcohol	18%	64-17-5
Propylene glycol monomethyl ether	62%	107-98-2
Isopropyl alcohol	0%	67-63-0

3 HAZARDS IDENTIFICATION

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

HAZARDS

SPECIFIC HAZARDS : N/A

PHYSICAL/CHEMICAL : N/A

HEALTH EFFECTS : N/A

ENVIRONMENTAL EFFECTS : 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.
If swallowed,do not induce vomiting.
Get medical attention if symptoms occur.

5 FIRE FIGHTING MEASURES

FIRE FIGHTING METHOD : 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 STORAGE

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 CONTROLS : 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 GUIDELINES : N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE : Liquid

APPEARANCE : Pen (Permanent marker)

COLOR : 3 colors(Black,Red,Blue)

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

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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