



MATERIAL SAFETY DATA SHEET

Issue No:

Q1-N5000001-01-E

Issue Date:

15 March 2001

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Permanent Marker

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)		

Company Name: Pentel (Stationery) Ltd

Address: Hunts Rise, South Marston Park, Swindon, SN3 4TW, Wilts

Tel No: 01793 823333

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Concentration</u>	<u>CAS No</u>
Xylene	45-71%	1330-20-7
Isobutyl Alcohol ⁽¹⁾	3-15%	78-83-1
Ethylene Glycol Monoethyl Ether ⁽²⁾	6-15%	110-80-5
Ethylene Glycol Monopheryl Ether ⁽³⁾	3%	122-99-6
C.I. Solvent blue 5 ⁽⁴⁾	0.4-2.5%	1325-86-6

(1) Used only for N50-A/B/D/E/F/G/K/P/S/V/Y

(2) Used only for N50-B/C/D/E/F/G/K/P/S/V/Y

(3) Used only for N50-A

(4) Used only for N50-C/V

3. HAZARDS IDENTIFICATION

Emergency Overview:

Flammable liquid. Intentional misuse by deliberately inhaling the contents can be harmful or fatal.

Hazards:

Health Effects: N/A

Environmental Effects: N/A

Physical/Chemical: N/A

Specific Hazards: N/A

4. FIRST AID MEASURES

Inhalation:	Remove from source and seek medical attention.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Seek medical attention if symptoms occur. Wash clothing before re-use.
Ingestion:	Immediately wash mouth with plenty of water. If swallowed, do not induce vomiting. Seek 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 liquid and scrub the area with detergent and water.
Water Spill:	N/A

7. HANDLING & STORAGE

Handling:	Keep away from sources of ignition, heat and direct sunlight. Direct sources of heat must be avoided.
Storage:	Store in a moderately cool, dry and well ventilated area. Store away from sources of ignition, heat and direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	No special controls are needed for normal use.
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Personal Protective Equipment:

Eyes:	No special equipment is needed.
Skin:	No special equipment is needed.
Respiratory:	No special equipment is needed.

Exposure Guideline:	N/A
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9. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Pen (permanent and waterproof marker)
Colour:	8 colours (black,red,blue,green,brown,orange,yellow,violet)
Odour:	Distinctive 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