



# 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:**

<b>N50-A (Black)</b>	<b>N50-B (Red)</b>	<b>N50-C (Blue)</b>
<b>N50-D (Green)</b>	<b>N50-E (Brown)</b>	<b>N50-F (Orange)</b>
<b>N50-G (Yellow)</b>	<b>N50-V (Violet)</b>	
<b>N60-A (Black)</b>	<b>N60-B (Red)</b>	<b>N60-C (Blue)</b>
<b>N60-D (Green)</b>		

**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 <sup>(1)</sup>	3-15%	78-83-1
Ethylene Glycol Monoethyl Ether <sup>(2)</sup>	6-15%	110-80-5
Ethylene Glycol Monopheryl Ether <sup>(3)</sup>	3%	122-99-6
C.I. Solvent blue 5 <sup>(4)</sup>	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, foam 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

## **10. STABILITY & REACTIVITY**

Chemical Stability:	Stable at room temperature.
Conditions to Avoid:	Avoid temperatures above 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