

# Pentel MATERIAL SAFETY DATA SHEET

Issue No:

Q1-NLF/M50001-01-E

Issue Date:

01 April 2004

## 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Maxiflo Liquid Ink Permanent Marker

**Product Code:** **NLF50 (Bullet Point):** **A-Black; B-Red; C-Blue; D-Green; E-Brown; F-Orange; G-Yellow; V-Violet.**

**NLF60 (Chisel Point):** **A-Black; B-Red; C-Blue; D-Green; E-Brown; F-Orange; G-Yellow; V-Violet.**

**NLM50 (Fine Bullet):** **A-Black; B-Red; C-Blue; D-Green; E-Brown; F-Orange; G-Yellow; V-Violet.**

**NLM60 (Fine Chisel):** **A-Black; B-Red; C-Blue; D-Green; E-Brown; F-Orange; G-Yellow; V-Violet.**

**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>
Ethyl Alcohol	45-65%	64-17-5
Isopropyl Alcohol	7-10%	67-63-0
Benzyl Alcohol	4-6%	100-51-6
Propylene glycol methyl ether <sup>(1)</sup>	10-20%	107-98-2
n-propanol <sup>(2)</sup>	9-15%	71-23-8
C.I.Solvent Blue5 <sup>(3)</sup>	0.1-5%	1325-86-6

(1) Used only for NLF50/NML50 – B/C

(2) Used only for NLF50/NLM50 – A/D/E

(3) Used only for NLF50/NLM50 – A/C/D/E/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

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#### **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. See 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.

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#### **5. FIRE FIGHTING MEASURES**

Fire Fighting Method:	Use following extinguishing media.
Extinguishing Media:	Carbon dioxide, dry chemical, form chemical

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#### **6. ACCIDENTAL RELEASE MEASURES**

Land Spill:	Absorb liquid and scrub the area with detergent and water.
Water Spill:	N/A

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#### **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.

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#### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls: No special controls are needed for normal use.

##### 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:	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:	In-Soluble
Viscosity:	N/A

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#### **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.

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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 section 7 above – “Handling & Storage”

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**15. REGULATORY INFORMATION**

None

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**16. OTHER INFORMATION**

None

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