



MATERIAL SAFETY DATA SHEET

Issue No:

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1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Retractable Permanent Marker

Product Code: **NX5-A (Black)** **NX5-B (Red)** **NX5-C (Blue)**
NX50 – A (Black) **NX50 – B (Red)** **NX50 – C (Blue)**
NX60 – A (Black) **NX50 – B (Red)** **NX60 – C (Blue)**

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	70-80%	64-17-5
Propylene glycolmonomethy ether (1)	15-20%	107-98-2
Isopropyl Alcohol (2)	8-15%	67-63-0
Benzyl Alcohol (3)	4-7%	100-51-6
n-Propyl Alcohol (4)	4-7%	71-23-8

- (1) Used only for A
(2) Used only for B & C
(3) Used only for B
(4) Used only for C

Safety Advice: a) Avoid inhalation – close contact may cause breathing difficulties (S23)
b) Use only in well ventilated areas (S51)

3. HAZARDS IDENTIFICATION

Emergency Overview: Deliberate inhalation can be harmful

Safety Advice:

1. Use only in well ventilated area, and never in a confined space over long periods of time
2. Keep out of reach of children
3. Avoid contact with eyes

Risk Advise:

1. Ink not harmful to skin under normal usage. However, larger coverage on skin may cause irritation
2. Avoid inhalation – close contact may cause breathing difficulties
3. Ink contained inside marker contains some flammable chemicals. However, the ink contents are not in liquid state, but are contained within a fibre tampon

THERE ARE NO OTHER SPECIFIC HAZARDS

4. 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

5. FIRST AID MEASURES

Inhalation: N/A

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.

6. FIRE FIGHTING MEASURES

Fire Fighting Method: Use following extinguishing media.

Extinguishing Media: Carbon dioxide, dry chemical, form chemical

7. ACCIDENTAL RELEASE MEASURES

Land Spill: Absorb liquid and scrub the area with detergent and water.

Water Spill: N/A

8. 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.

9. 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

10. PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Pen (permanent marker)
Colour:	3 colours (black, red, blue)
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

11. 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.

12. TOXICOLOGICAL INFORMATION

Acute Toxicity:	N/A
Eye Effects:	N/A
Skin Effects:	N/A
Chronic Effects:	N/A
Carcinogenicity:	N/A

13. ECOLOGICAL INFORMATION

N/A

14. DISPOSAL CONSIDERATIONS

Comply with national and local regulations. Do not dump this material into sewers, on the ground or into any body of water.

15. TRANSPORT INFORMATION

Comply with national and local regulations. See section 7 above – "Handling & Storage"

16. REGULATORY INFORMATION

None

17. OTHER INFORMATION

None

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