

DETECTAMET

Technical Data Sheet

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100-I8 Gel Ink Refill



Technical Data Sheet Applicable To:

100-I81	Pen Refill Fully Detectable Blue Gel Ink
100-I82	Pen Refill Fully Detectable Black Gel Ink
100-I83	Pen Refill Fully Detectable Red Gel Ink
100-I84	Pen Refill Fully Detectable Green Gel Ink

Industry Usage:

The Gel ink pen refill is able to write in ambient conditions from -5°C up to 30°C (23 to 86°F), Cold environments and dusty environments. Writing line width is 0.7mm (27.6 mils)

Features and Benefits:

Metal Detectable & X-ray Visible (Case, end cap, and tip)

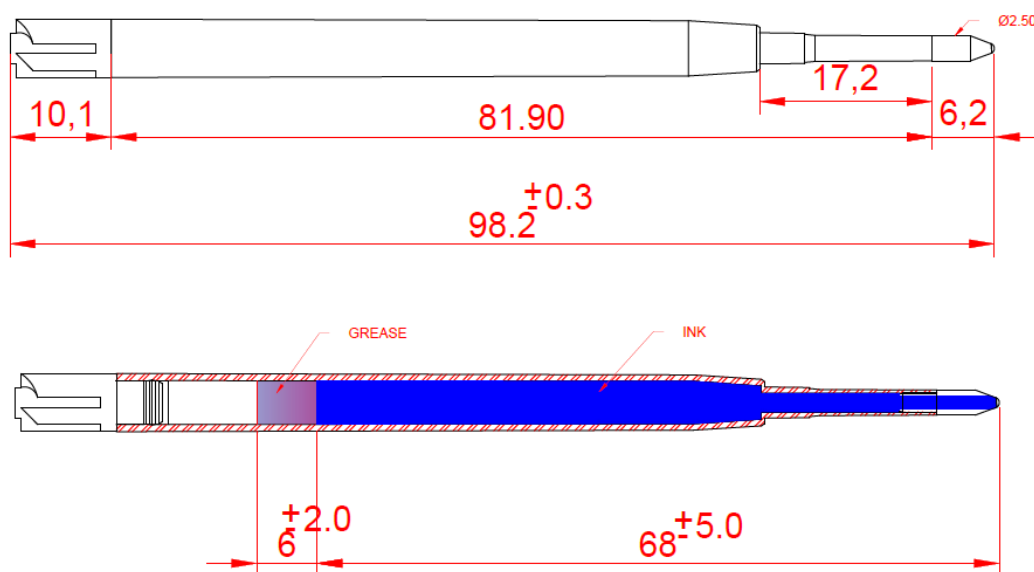
Patented: GB 5296739, EU 20715436.0

Manufactured from detectable shatter proof plastic

Gel write out length approx. 850m (2,788")

Suitable for HD Retractable, Elephant Retractable, Stainless Steel Retractable and Metal Stick pen.

Material and Compliance information:



Above dimensions in mm

Refill Ink SDS

1. Ingredient Information

Product Name: EN GL 1818 Blue, EN GL 1823 Black

Common Name: Gel pen ink

Chemical Name: N/A

Formula/Cas: N/A

2. Hazards Identification

SARA 311 Categories:

Immediate (Acute) Health Effects: YES

Delayed (Chronic) Health Effects: NO

Fire Hazards: NO

Sudden release of pressure hazard: NO

Reactivity Hazard: NO

The health hazards of this product should be low under normal industrial and commercial uses. Prolonged or repeated contact may cause skin or eye irritation.

Do NOT allow material to enter soil or surface water

HMS Rating:

Health: 1 Flammability:1 Reactivity: 0 Special: 0

Potential Health Effects:

Eye: May cause slight irritation. Not known to cause permanent injury to eye tissue. No hazards expected in normal industrial use.

Skin: Not known risks due to inhalation. No hazards expected in normal industrial use.

Inhalation: No known risks due to inhalation. No hazards expected in normal industrial use.

Ingestion: Essentially Non-Toxic

3. Composition

Ethylene Glycol Phenyl Ether – CAS #122-99-6

OBHA PEL Not established TLV-ACGIH Not established

Diethylene Glycol Mono Ethyl Ether CAS #111-90-0

OSHA PEL Not established TLV-ACGIH Not established

4. First aid measures

Eye contact first aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin contact first aid: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

Inhalation first aid: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

Ingestion first aid:

If swallowed, immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Contact a physician.

5. Firefighting measures

Flash Point: 255°F (123.8°C)

Auto Ignition: Not established

LEL: Not established

UEL: Not established

Extinguishing Media: Dry Chemical, Alcohol Foam, CO₂, Sand

Firefighting Instructions: As in any fire, wear self-contained breathing apparatus, pressure-demand MSHA/NIOSH (Approved or equivalent) and full protective gear. Avoid breathing smoke, fumes, and decomposition products. Contain runoff water. Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

6. Accidental release measures

Spill Procedure: Water & Alcohol will increase the amount of colorant contamination. DO not allow material to enter soil or surface water. Clean up area by absorbent material. Take up and place in secure closed containers. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

Initial containment: Contain spilled material. Do not allow material to enter soil or surface water.

7. Handling and storage

Handling (Personnel): Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

Handling (Physical aspects): Avoid extreme temperatures. Keep container closed to avoid contamination.

Storage precautions: Protect containers from physical damage. Do not stack drums more than three pallets high.

8. Exposure controls/personal protection

Engineering controls: Good general ventilation should be sufficient to control airborne levels.

Eye/Face protection requirements: Wear safety glasses all times when using this liquid to avoid the possibility of splashing in the eyes.

Skin protection requirements: Wear protective gloves to minimize skin contamination. For brief contact, Normal work attire should be sufficient. When prolonged or frequently repeated contact could occur, Use protective clothing impervious to this material.

9. Physical/chemical characteristics

Form: Liquid

Boiling Point: Greater than 400°F (204.4°C)

Specific Gravity: 1.1 to 1.14

Melting Point: Not established

Vapor Pressure (MM HG): 0.1@ 68°F (20°C)

Vapor Density (AIR = 1): Approx. 4

Evaporation Rate (Butyl Acetate = 1): Less than 1

Solubility / Water: Negligible

Flash Point: 255°F (123.8°C)

10. Stability and reactivity

Stability: This product is stable at ambient conditions

Polymerization: Hazardous polymerization will not occur

Incompatibility with other materials: Avoid contact with strong oxidizing agents

Decomposition: Decomposition will not occur if handle and stores properly

11. Toxicological information

Acute oral toxicity: Oral, Rat: LD 50=4922 mg/kg; skin, rabbit: LD50=1780 mg/kg

Burning may cause carbon monoxide and / or carbon dioxide or other toxic organic compounds

12. Ecological information

No information available

13. Disposable considerations

Waste disposal: Waste disposal should be in accordance with existing state and local environmental regulations.

14. Transportation information

Road transport:

ADR Non-hazardous goods

RID Non-hazardous goods

Inland waterways transport:

ADNR Non-hazardous goods

Marine transport:

IMDG/UN Non-hazardous goods

Air Transport:

ICAO/IATA-DGR Non-hazardous goods

Dispatch by post: Permitted

15. Regulatory information

Chemical Inventory Information:

This material or all of its components are listed on the inventory of existing chemical substances under the toxic substance control act (TSCA)

16. Other information

N/A

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