

TECHNICAL INFORMATION

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Material Safety Data Sheet

1. Chemical Product and Company Identification

- Product name: **GI-BLUE 100**
- Use: For stationary ink use only

Quantum International

930396 5 Star Rtr Gel Rollerball Med Blue
107268 invo RetrGel Pen Blue GP172804B1

2. Composition / Information on Ingredients

No	Chemical Name	CAS No.
1	C. I. Pigment Blue 15 : 3	147-14-8
2	C. I. Pigment Violet 23	6358-30-1
3	Thickener	11138-66-2
4	Polyethylene Glycol	25322-68-3
5	Glycerin	56-81-5
6	Surfactant	39464-66-9
7	Triethanolamine	102-71-6

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3. Hazards Identification

- Emergency overview

Caution! May be harmful if swallowed or inhaled. May cause irritation of skin, eyes, respiratory organs or gastrointestinal organs.

- Primary routes of exposure

: Eye contact / Skin contact / Inhalation / Ingestion

4. First Aid Measures

- Eye contact

: Immediately flush eyes with large amounts of water and seek immediate medical attention.

- Skin contact

: Immediately wash affected skin areas thoroughly with soap and water. Consult a physician if irritation persists.

- Inhalation

: Remove subject to fresh air.

Get medical attention promptly if breathing is difficult or other symptoms develop.

- Ingestion

: Immediately rinse out mouth, drink plenty of water or milk (or salt water) and get prompt medical attention.

NEVER give an unconscious person anything to ingest.

5. Fire-fighting Measures

· Flash Point	Non-flammable material
· Extinguishing media	A fire extinguisher water, form, CO ₂ , NaHCO ₃
· Not to be used	None
· Special fire fighting procedures	There is no danger of occurring fire and explosion
· Unusual fire and explosion hazards	There is no danger of occurring fire and explosion

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6. Accidental Release Measures

- Personal protection

: Appropriate protective equipment must be worn when handling a spill of this material. See **Section 8, Exposure Control / Personal Protection**, for recommendations. If exposed to material during clean-up operations, see **Section 4, First aid measures**, for actions to follow.

- Procedures

: Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert material (e.g. sand, earth). Transfer liquids to separate suitable containers for recovery or disposal.

Caution ! : Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. Handling and Storage

- Handling

: Appropriate protective must be used when handling this material (i.e. rubber gloves, safety glasses, mask and protective working clothes as safe as possible).

- Storage

: Use before expired date.

Keep it away from sunlight.

Keep from freezing; Material may coagulate. The recommended storage temperature is between 0°C~30°C (32°F~86°F).

Store the product in an isolated and ventilated area.

Keep out of reach of children.

Keep container closed.

8. Exposure Controls a Personal Protection

- General protective measures – Avoid contact with eyes and skin.
- Hygiene measures – Keep away from foodstuffs and beverages.
- Hand protection – Rubber Gloves.
- Eye protection – Safety Glasses.

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9. Physical and Chemical Properties

· Appearance	Colored Liquid	· Boiling point	>100°C
· Odor	Slight odor	· pH value	7.5 ± 1.0
· Solubility in water	Soluble	· Specific Gravity	1.10 ± 0.05
· Percent Volatile by Volume(%)	Not Available	· Reactive in water	No reactivity
· Vapor pressure(mm Hg)	Not Available	· Evaporation Rate	Not Available

10. Stability and Reactivity

· Stability	Stable
· Material to avoid(Incompatibility)	None
· Condition to avoid	None
· Hazardous decomposition products	None
· Hazardous reaction	Will not Occur

11. Toxicological Information

- Signs and symptoms of exposure
 1. Acute overexposure – Not established.
 2. Chronic overexposure – Not established.

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12. Ecological Information

- Environmental fate and distribution
 - This product dissolves in water. Treat using the best available techniques is to avoid environmental contamination.
- Toxicity
 - No information available.
- Effect on effluent treatment
 - No data.

13. Disposal Considerations

- General
 - : This product must be disposed of in accordance with all applicable federal, state and local regulations.
- Waste management
 - : Waste material may be incinerated or landfilled at an approved facility. Contact your state or local environmental agency for specific rules.

14. Transport Information

- Not classified as hazardous for transportation
- In order for the bubble not to get, pay attention

15. Regulatory Information

- Not classified as hazardous

16. Other Information

- Label precautions:
 - Avoid contact with eyes, skin and clothing.
 - Keep container closed.
 - Use with adequate ventilation.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.