

## Material Safety Data Sheet

### 1. Identification of the product and of the company/undertaking:

#### 1.1. Identification of the product:

Pigment Ink, PG-BK

#### 1.2. Company/undertaking identification

Manufacture's name: Roland DG Corporation  
Address: 1-6-4 Shinmiyakoda Hamamatsu-shi  
Shizuoka 431-2103  
JAPAN  
Phone: + 81-53-484-1224  
Fax: + 81-53-484-1221

### 2. Composition/information on ingredients

Ingredients:	Water	65-77%
	Pigments	2-4%
	Resin	2-3%
	Organic Solvent	19-28%

### 3. Hazards identification

No hazardous material presents. (92/32/EEC, 88/379/EEC)

### 4. First-aid measures

Eye Contact:	In case of contact, immediately flush with plenty of water.
Skin Contact:	In case of contact, wash with enough water.
Inhalation:	No need a special care.
Ingestion:	No need a special care.

### 5. Fire-fighting measures

Inflammability:	None
Extinguishing media:	Dry Chemical, carbon dioxide.

### 6. Accidental release measures

If spilt, use sponge to wipe up the ink.  
Confine it in a closed container for proper disposal.

**7. Handling and storage**

Handling: Do not dismantle the cartridge.  
Storage: Do not store in a high temperature and high humidity place.

**8. Exposure controls/person protection**

Exposure standards: None  
Engineering controls: Not applicable  
Personal protection: Not applicable

**9. Physical and chemical properties**

Appearance: Yellow, Magenta and Cyan liquid  
Odor: No odor  
pH: Approximately 9-10  
Boiling point: No data available  
Melting point: No data available  
Flashing point: Above 110°C  
Spontaneous Inflammable: None  
%Volatile: None  
Oxidization: None  
Vapor pressure: Not applicable  
Specific Gravity (H<sub>2</sub>O=1): 1.08  
Water Solubility: ∞  
Fat Solubility: Not applicable  
Viscosity: 2.9-3.2 mPa·s

**10. Stability and reactivity**

Stability: Stable  
Hazardous polymerization: Not applicable  
Hazardous decomposition products: Not applicable

**11. Toxicological information**

Acute Hazard:  
Ingestion: LD50>2g/Kg  
Skin: LD50>2g/Kg  
Inhalation: Not applicable  
Stimulate:  
Skin: None  
Eyes: None  
Carcinogenicity: None (No ingredients which NTP, IARC Monographs, OSHA Regulations, MAK list, EC67/548/EEC mentioned)

**12. Ecological information**

Not applicable

**13. Disposal considerations**

Dispose of in accordance with federal, state and local regulations.

**14. Transport information**

No hazardous materials present

**15. Regulatory information****16. Other information**