

Material Safety Data Sheet

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

1.1. Identification of the product:

Dye-based Ink, DY-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. Hazardous Ingredients / Identify Information

No hazardous materials present
Water-soluble ink

3. Physical/Chemical characteristics

Boiling Point: Not available
Vapor Pressure (mmHg): Not available
Vapor Density (AIR=1): Not available
Specific Gravity: 1.05
Melting Point: -4°C
Evaporation Rate (butyl Acetate=1): Not available
Solubility in Water: Soluble
Appearance and Odor: Black Liquid, No Odor

4. Fire and Explosion Hazard Data

Flash Point: over 110°C (Closed Cup)
Flammable Limits: LEL:N/A, UEL:N/A
Extinguishing Media: CO₂gas, Dry Chemical
Special Fire Fighting Procedures: None
Usual Fire and Explosion Hazard: None

5. Stability and reactivity

Stability: Stable
Incompatibility (Materials to Avoid): None
Hazardous decomposition or Byproducts: None
Hazardous polymerization: Will not occur

6. Health Hazard Data

Health Hazard (Acute and Chronic)

Inhalation: None
Skin: None (LD50>2g/kg)
Ingestion: None (LD50>2g/kg)

Carcinogenicity: None

Sign and Symptoms Exposure: None

Medical Conditions: Not Applicable

Generally Aggravated by Exposure

Emergency and First Aid Procedures: Should ink get into eyes, flush with enough water.
Should ink stick to skin, flush with enough water.

7. Precautions for Safe Handling and Use

7.1 Steps to be Taken in Case Material Released or Spilled

If the ink spills, use sponge to wipe up the ink.
Please it in closed container for proper disposal.

7.2 Waste Disposal Method:

After above the steps, dispose the sponge according to local disposal regulation.

7.3 Precautions to be Taken in Handling and Storing:Waste Disposal Method:

Do not dismantle the cartridge.

7.4 Other Precautions

None

8. Control Measures

Respiratory Protection (Specify Type): None

Ventilation

Local Exhaust: Not applicable

Special: Not applicable

Mechanical (General): Not applicable

Other: Not applicable

Protective gloves: None

Eye Protection: None

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: None