

## Material Safety Data Sheet

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

#### 1.1. Identification of the product:

CR-MR2-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 Components/Identity Information

#### 2.1. Hazardous Components

Hazardous Components: Carbon Black  
CSA No. : 1333-86-4  
ACGIH TLV: 3.5mg/m3  
OSHA PEL: 3.5mg/m3  
EEC: N/A  
Other Limit: N/A  
%: 4

#### 2.2. Predominant Components

Coloring Material: Not Applicable  
Wax: Not Applicable  
Resin: Not Applicable  
Additive: Not Applicable  
Polyethyleneterephthalate film: Not Applicable

#### 2.3 Impurity

None

### 3. Hazardous Information

Appearance and Odor: Polyethyleneterephthalate film coated on one side there of with black ink.  
Incompatibility(Material to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Fire and Explosion Hazards: None  
Health Hazards: Refrain from taking it into the body through mouths.  
Information on Ecological Effect: No data available  
UN-category: Not applicable  
UN-number: Not applicable

#### 4. Emergency and First Aid Procedures

Health Hazards(Acute and Chronic):	No data available
Sign and Symptoms of Exposure:	No data available
Medical Conditions:	No data available
Generally Aggravated by Exposure	

#### Emergency and First Aid Procedures

SKIN:	Wash away ink on skin.
EYE:	Wash with water and consult a doctor promptly.
INHALATION:	Not applicable.
OTHERS:	No data available

#### 5. Emergency Action in case of Fire

Extinguish Media:	Water mist, Foam, Dry powder, CO2 gas, others
Special Fire Fighting Procedures:	N/A
Unusual Fire and Explosion Hazards:	None

#### 6. Precautions for Safe Handling and Use

6.1 Steps to be Taken in Case Material is Released or Spilled  
If inadvertently released, rewind ribbon.

6.2 Precautions to be Taken in Handling and Storing  
Should be stored in dark and cool place.

6.3 Other Precautions  
None

#### 7. Control Measures

Respiratory Protection(Specify Type):	None
Ventilation	Local Exhaust: N/A
	Mechanical (General): N/A
	Special: N/A
	Other: N/A
Eye Protection:	N/A
Hand Protection:	Desirable in some cases.
Other Protective Clothing or Equipment:	N/A
Work/Hygienic Practices:	None

#### 8. Physical/Chemical characteristics

Boiling Point:	N/A
Melting Point:	N/A
pH Value:	N/A
Specific Gravity:	N/A
Viscosity:	N/A
Vapor Pressure:	N/A
Solubility in Water:	Negligible

**9. Fire and Explosion Hazard Data**

Flash Point:	>150°C
Ignition Temperature:	N/A
Flammable Limits:	LEL: N/A, UEL: N/A

**10. Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not Occur

**11. Toxicology Information**

Ames Test:	No data available
Carbon Black 1333-86-4:	ARC animal carcinogen

**12. Transport Information**

No Special

**13. Waste Disposal Information**

Disposal in accordance with local, state and federal regulations.

**14. Others**

## Material Safety Data Sheet

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

#### 1.1. Identification of the product:

CR-MR2-YE

#### 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 Components/Identity Information

#### 2.1. Hazardous Components

Hazardous Components: None

#### 2.2. Predominant Components

Coloring Material: Not Applicable  
Wax: Not Applicable  
Resin: Not Applicable  
Additive: Not Applicable  
Polyethyleneterephthalate film: Not Applicable

#### 2.3 Impurity

None

### 3. Hazardous Information

Appearance and Odor: Polyethyleneterephthalate film coated on one side there of with Yellow ink.  
Incompatibility(Material to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Fire and Explosion Hazards: None  
Health Hazards: Health hazard risks would be extremely small.  
Information on Ecological Effect: No data available  
UN-category: Not applicable  
UN-number: Not applicable

#### 4. Emergency and First Aid Procedures

Health Hazards(Acute and Chronic): No data available  
 Sign and Symptoms of Exposure: No data available

Medical Conditions: No data available  
 Generally Aggravated by Exposure

#### Emergency and First Aid Procedures

SKIN: Wash away ink on skin.  
 EYE: Wash with water and consult a doctor promptly.  
 INHALATION: Not applicable.  
 OTHERS: No data available

#### 5. Emergency Action in case of Fire

Extinguish Media: Water mist, Foam, Dry powder, CO2 gas, others  
 Special Fire Fighting Procedures: N/A  
 Unusual Fire and Explosion Hazards: None

#### 6. Precautions for Safe Handling and Use

6.1 Steps to be Taken in Case Material is Released or Spilled  
 If inadvertently released, rewind ribbon.

6.2 Precautions to be Taken in Handling and Storing  
 Should be stored in dark and cool place.

6.3 Other Precautions  
 None

#### 7. Control Measures

Respiratory Protection(Specify Type): None  
 Ventilation Local Exhaust: N/A  
 Mechanical (General): N/A  
 Special: N/A  
 Other: N/A  
 Eye Protection: N/A  
 Hand Protection: Desirable in some cases.  
 Other Protective Clothing or Equipment: N/A  
 Work/Hygienic Practices: None

#### 8. Physical/Chemical characteristics

Boiling Point: N/A  
 Melting Point: N/A  
 pH Value: N/A  
 Specific Gravity: N/A  
 Viscosity: N/A  
 Vapor Pressure: N/A  
 Solubility in Water: Negligible

**9. Fire and Explosion Hazard Data**

Flash Point:	>150°C
Ignition Temperature:	N/A
Flammable Limits:	N/A

**10. Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not Occur

**11. Toxicology Information**

No data available

**12. Transport Information**

No Special

**13. Waste Disposal Information**

Disposal in accordance with local, state and federal regulations.

**14. Others**

## Material Safety Data Sheet

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

#### 1.1. Identification of the product:

CR-MR2-MG

#### 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 Components/Identity Information

#### 2.1. Hazardous Components

Hazardous Components: Kaolin  
CSA No. : 1332-58-7  
ACGIH TLV: 10.0mg/m3  
OSHA PEL: 15.0mg/m3  
EEC: N/A  
Other Limit: N/A  
%: 4

#### 2.2. Predominant Components

Coloring Material: Not Applicable  
Wax: Not Applicable  
Resin: Not Applicable  
Additive: Not Applicable  
Polyethyleneterephthalate film: Not Applicable

#### 2.3 Impurity

None

### 3. Hazardous Information

Appearance and Odor: Polyethyleneterephthalate film coated on one side there of with magentaink.  
Incompatibility(Material to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Fire and Explosion Hazards: None  
Health Hazards: Health hazard risks would be extremely small.  
Information on Ecological Effect: No data available  
UN-category: Not applicable  
UN-number: Not applicable

#### 4. Emergency and First Aid Procedures

Health Hazards(Acute and Chronic): No data available  
 Sign and Symptoms of Exposure: No data available

Medical Conditions: No data available  
 Generally Aggravated by Exposure

#### Emergency and First Aid Procedures

SKIN: Wash away ink on skin.  
 EYE: Wash with water and consult a doctor promptly.  
 INHALATION: Not applicable.  
 OTHERS: No data available

#### 5. Emergency Action in case of Fire

Extinguish Media: Water mist, Foam, Dry powder, CO2 gas, others  
 Special Fire Fighting Procedures: N/A  
 Unusual Fire and Explosion Hazards: None

#### 6. Precautions for Safe Handling and Use

6.1 Steps to be Taken in Case Material is Released or Spilled  
 If inadvertently released, rewind ribbon.

6.2 Precautions to be Taken in Handling and Storing  
 Should be stored in dark and cool place.

6.3 Other Precautions  
 None

#### 7. Control Measures

Respiratory Protection(Specify Type): None  
 Ventilation Local Exhaust: N/A  
 Mechanical (General): N/A  
 Special: N/A  
 Other: N/A  
 Eye Protection: N/A  
 Hand Protection: Desirable in some cases.  
 Other Protective Clothing or Equipment: N/A  
 Work/Hygienic Practices: None

#### 8. Physical/Chemical characteristics

Boiling Point: N/A  
 Melting Point: N/A  
 pH Value: N/A  
 Specific Gravity: N/A  
 Viscosity: N/A  
 Vapor Pressure: N/A  
 Solubility in Water: Negligible



**9. Fire and Explosion Hazard Data**

Flash Point:	>150°C
Ignition Temperature:	N/A
Flammable Limits:	LEL: N/A, UEL: N/A

**10. Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not Occur

**11. Toxicology Information**

Ames Test:	No data available
Carbon Black 1333-86-4:	ARC animal carcinogen

**12. Transport Information**

No Special

**13. Waste Disposal Information**

Disposal in accordance with local, state and federal regulations.

**14. Others**

## Material Safety Data Sheet

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

#### 1.1. Identification of the product:

CR-MR2-CY

#### 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 Components/Identity Information

#### 2.1. Hazardous Components

Hazardous Components: None

#### 2.2. Predominant Components

Coloring Material: Not Applicable  
Wax: Not Applicable  
Resin: Not Applicable  
Additive: Not Applicable  
Polyethyleneterephthalate film: Not Applicable

#### 2.3 Impurity

None

### 3. Hazardous Information

Appearance and Odor: Polyethyleneterephthalate film coated on one side  
there of with cyan ink.  
Incompatibility(Material to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Fire and Explosion Hazards: None  
Health Hazards: Health hazard risks would be extremely small.  
Information on Ecological Effect: No data available  
UN-category: Not applicable  
UN-number: Not applicable

#### 4. Emergency and First Aid Procedures

Health Hazards(Acute and Chronic):	No data available
Sign and Symptoms of Exposure:	No data available
Medical Conditions:	No data available
Generally Aggravated by Exposure	

#### Emergency and First Aid Procedures

SKIN:	Wash away ink on skin.
EYE:	Wash with water and consult a doctor promptly.
INHALATION:	Not applicable.
OTHERS:	No data available

#### 5. Emergency Action in case of Fire

Extinguish Media:	Water mist, Foam, Dry powder, CO2 gas, others
Special Fire Fighting Procedures:	N/A
Unusual Fire and Explosion Hazards:	None

#### 6. Precautions for Safe Handling and Use

6.1 Steps to be Taken in Case Material is Released or Spilled  
If inadvertently released, rewind ribbon.

6.2 Precautions to be Taken in Handling and Storing  
Should be stored in dark and cool place.

6.3 Other Precautions  
None

#### 7. Control Measures

Respiratory Protection(Specify Type):	None
Ventilation	Local Exhaust: N/A
	Mechanical (General): N/A
	Special: N/A
	Other: N/A
Eye Protection:	N/A
Hand Protection:	Desirable in some cases.
Other Protective Clothing or Equipment:	N/A
Work/Hygienic Practices:	None

#### 8. Physical/Chemical characteristics

Boiling Point:	N/A
Melting Point:	N/A
pH Value:	N/A
Specific Gravity:	N/A
Viscosity:	N/A
Vapor Pressure:	N/A
Solubility in Water:	Negligible

**9. Fire and Explosion Hazard Data**

Flash Point:	>150°C
Ignition Temperature:	N/A
Flammable Limits:	N/A

**10. Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not Occur

**11. Toxicology Information**

No data available

**12. Transport Information**

No Special

**13. Waste Disposal Information**

Disposal in accordance with local, state and federal regulations.

**14. Others**

## Material Safety Data Sheet

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

#### 1.1. Identification of the product:

CR-MR2-GR

#### 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 Components/Identity Information

#### 2.1. Hazardous Components

Hazardous Components: None

#### 2.2. Predominant Components

Coloring Material: Not Applicable  
Wax: Not Applicable  
Resin: Not Applicable  
Additive: Not Applicable  
Polyethyleneterephthalate film: Not Applicable

#### 2.3 Impurity

None

### 3. Hazardous Information

Appearance and Odor: Polyethyleneterephthalate film coated on one side  
there of with green ink.  
Incompatibility(Material to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Fire and Explosion Hazards: None  
Health Hazards: Health hazard risks would be extremely small.  
Information on Ecological Effect: No data available  
UN-category: Not applicable  
UN-number: Not applicable

#### 4. Emergency and First Aid Procedures

Health Hazards(Acute and Chronic): No data available  
 Sign and Symptoms of Exposure: No data available

Medical Conditions: No data available  
 Generally Aggravated by Exposure

#### Emergency and First Aid Procedures

SKIN: Wash away ink on skin.  
 EYE: Wash with water and consult a doctor promptly.  
 INHALATION: Not applicable.  
 OTHERS: No data available

#### 5. Emergency Action in case of Fire

Extinguish Media: Water mist, Foam, Dry powder, CO2 gas, others  
 Special Fire Fighting Procedures: N/A  
 Unusual Fire and Explosion Hazards: None

#### 6. Precautions for Safe Handling and Use

6.1 Steps to be Taken in Case Material is Released or Spilled  
 If inadvertently released, rewind ribbon.

6.2 Precautions to be Taken in Handling and Storing  
 Should be stored in dark and cool place.

6.3 Other Precautions  
 None

#### 7. Control Measures

Respiratory Protection(Specify Type): None  
 Ventilation Local Exhaust: N/A  
 Mechanical (General): N/A  
 Special: N/A  
 Other: N/A  
 Eye Protection: N/A  
 Hand Protection: Desirable in some cases.  
 Other Protective Clothing or Equipment: N/A  
 Work/Hygienic Practices: None

#### 8. Physical/Chemical characteristics

Boiling Point: N/A  
 Melting Point: N/A  
 pH Value: N/A  
 Specific Gravity: N/A  
 Viscosity: N/A  
 Vapor Pressure: N/A  
 Solubility in Water: Negligible

**9. Fire and Explosion Hazard Data**

Flash Point:	>150°C
Ignition Temperature:	N/A
Flammable Limits:	N/A

**10. Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not Occur

**11. Toxicology Information**

No data available

**12. Transport Information**

No Special

**13. Waste Disposal Information**

Disposal in accordance with local, state and federal regulations.

**14. Others**

## Material Safety Data Sheet

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

#### 1.1. Identification of the product:

CR-MR2-OR

#### 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 Components/Identity Information

#### 2.1. Hazardous Components

Hazardous Components: None

#### 2.2. Predominant Components

Coloring Material: Not Applicable  
Wax: Not Applicable  
Resin: Not Applicable  
Additive: Not Applicable  
Polyethyleneterephthalate film: Not Applicable

#### 2.3 Impurity

None

### 3. Hazardous Information

Appearance and Odor: Polyethyleneterephthalate film coated on one side  
there of with orange ink.  
Incompatibility(Material to Avoid): None  
Hazardous Decomposition or Byproducts: None  
Fire and Explosion Hazards: None  
Health Hazards: Health hazard risks would be extremely small.  
Information on Ecological Effect: No data available  
UN-category: Not applicable  
UN-number: Not applicable



#### 4. Emergency and First Aid Procedures

Health Hazards(Acute and Chronic): No data available  
 Sign and Symptoms of Exposure: No data available

Medical Conditions: No data available  
 Generally Aggravated by Exposure

#### Emergency and First Aid Procedures

SKIN: Wash away ink on skin.  
 EYE: Wash with water and consult a doctor promptly.  
 INHALATION: Not applicable.  
 OTHERS: No data available

#### 5. Emergency Action in case of Fire

Extinguish Media: Water mist, Foam, Dry powder, CO2 gas, others  
 Special Fire Fighting Procedures: N/A  
 Unusual Fire and Explosion Hazards: None

#### 6. Precautions for Safe Handling and Use

6.1 Steps to be Taken in Case Material is Released or Spilled  
 If inadvertently released, rewind ribbon.

6.2 Precautions to be Taken in Handling and Storing  
 Should be stored in dark and cool place.

6.3 Other Precautions  
 None

#### 7. Control Measures

Respiratory Protection(Specify Type): None  
 Ventilation Local Exhaust: N/A  
 Mechanical (General): N/A  
 Special: N/A  
 Other: N/A  
 Eye Protection: N/A  
 Hand Protection: Desirable in some cases.  
 Other Protective Clothing or Equipment: N/A  
 Work/Hygienic Practices: None

#### 8. Physical/Chemical characteristics

Boiling Point: N/A  
 Melting Point: N/A  
 pH Value: N/A  
 Specific Gravity: N/A  
 Viscosity: N/A  
 Vapor Pressure: N/A  
 Solubility in Water: Negligible

**9. Fire and Explosion Hazard Data**

Flash Point:	>150°C
Ignition Temperature:	N/A
Flammable Limits:	N/A

**10. Reactivity Data**

Stability:	Stable
Hazardous Polymerization:	Will not Occur

**11. Toxicology Information**

No data available

**12. Transport Information**

No Special

**13. Waste Disposal Information**

Disposal in accordance with local, state and federal regulations.

**14. Others**