



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Printer Maintenance Kit Type 7200/7300B Color Developer (Cyan)  
Product Number: 402306  
Chemical Name: mixture  
CAS Number: 0-00-0

#### Company Identification

Ricoh Corporation  
5 Dedrick Place  
West Caldwell, NJ 07006 USA  
1-973-882-2000 or 1-973-882-5218 (For product information)  
1-800-336-6737 (For emergencies)

#### **GENERAL USE:**

CL7200, CL7300.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### **COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
FERRITE	75.0 - 95.0 %	65997-18-4
POLYESTER RESIN	1.0 - 20.0 %	Confidential
ORGANIC PIGMENT	< 1.0 %	147-14-8

#### **EXPOSURE GUIDELINES:**

No Information Available.

### 3. HAZARDS IDENTIFICATION

#### **PRIMARY ENTRY ROUTES:**

None.

#### **ACUTE SKIN EFFECTS:**

Non-irritant.

#### **CARCINOGENICITY:**

This product does not contain the carcinogenic substances which are listed in NTP, IARC and are regulated by OSHA.

#### **MEDICAL CONDITION AGGRAVATED BY LONG-TERM EXPOSURE:**

Not applicable.

#### **CHRONIC EFFECTS:**

No data is available on this product.

## 4. FIRST AID MEASURES

### **EYE CONTACT FIRST AID:**

Immediately wash eyes with plenty of water. If unsuccessful, get medical attention.

### **SKIN CONTACT FIRST AID:**

Wash thoroughly with soap and water.

### **INHALATION FIRST AID:**

Gargle with water, move to place in fresh air. If unsuccessful, get medical attention.

### **INGESTION FIRST AID:**

Dilute stomach contents with several glasses of water.

## 5. FIRE FIGHTING MEASURES

### **FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A

### **FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

### **BURNING RATE:**

Not available.

### **EXTINGUISHING MEDIA:**

CO<sub>2</sub>, dry chemicals, foam or water.

### **FIRE FIGHTING INSTRUCTIONS:**

No special fire protecting method is required.

## 6. ACCIDENTAL RELEASE MEASURES

### **SPILL / LEAK PROCEDURES:**

If spilled, sweep up or pick up by vacuum cleaner (rated for developer extraction).

### **MISCELLANEOUS:**

Minimize inhalation of dust. Keep product out of sewers and watercourses.

## 7. HANDLING AND STORAGE

### **HANDLING PRECAUTIONS:**

Do not handle in areas where wind blows. Flying powder may enter eyes. Minimize breathing dust.

### **STORAGE REQUIREMENTS:**

Avoid direct sunlight. Do not keep this over 35 degrees centigrade. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### VENTILATION:

None needed under normal use condition.

### RESPIRATORY PROTECTION:

None required under normal conditions of use.

### PROTECTIVE CLOTHING / EQUIPMENT:

None required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOR:	Cyan
ODOR:	slight plastic odor
BOILING POINT:	Not applicable C
VAPOR PRESSURE:	Not applicable psia
VAPOR DENSITY:	Not applicable (Air = 1)
SOLUBILITY IN WATER:	Insoluble
MELTING/FREEZING POINT:	Not applicable C
PH:	Not applicable
% VOLATILES:	- %
VISCOSITY:	Not applicable
EVAPORATION RATE:	Not applicable
DENSITY (G/CM3):	Approx. 5

## 10. STABILITY AND REACTIVITY

### POLYMERIZATION:

None.

### CONDITIONS TO AVOID:

Not applicable in normal use.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE ORAL EFFECTS:

Rat: >5000mg/kg.

### CARCINOGENICITY:

No data is available on this product.

### MUTAGENICITY:

Negative (Ames test).

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL DEGRADATION:

Not known.

**MISCELLANEOUS:**

Not known in bioaccumulation.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL:**

Used developer should be disposed of in an environmentally appropriate manner and in accordance with governmental regulations.  
Do not incinerate.

**14. TRANSPORT INFORMATION**

PRODUCT LABEL: Printer Maintenance Kit Type 7200/7300B Color Developer (Cyan)

**MISCELLANEOUS:**

Avoid direct sunlight. Do not keep this over 35 degrees centigrade.

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

**HMIS Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0

APPROVED BY: David Huelbig  
TITLE: Safety Engineer  
APPROVAL DATE: July 26, 2005  
SUPERCEDES DATE: New  
RTN NUMBER: 00003196 (Official Copy)

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**END OF MSDS**

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Printer Maintenance Kit Type 7200/7300B Color Developer (Magenta)  
Product Number: 402306  
Chemical Name: mixture  
CAS Number: 0-00-0

#### Company Identification

Ricoh Corporation  
5 Dedrick Place  
West Caldwell, NJ 07006 USA  
1-973-882-2000 or 1-973-882-5218 (For product information)  
1-800-336-6737 (For emergencies)

#### **GENERAL USE:**

CL7200, CL7300.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### **COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
FERRITE	75.0 - 95.0 %	65997-18-4
POLYESTER RESIN	1.0 - 20.0 %	Confidential
ORGANIC PIGMENT	< 1.0 %	67990-05-0

#### **EXPOSURE GUIDELINES:**

No Information Available.

### 3. HAZARDS IDENTIFICATION

#### **PRIMARY ENTRY ROUTES:**

None.

#### **ACUTE SKIN EFFECTS:**

Non-irritant.

#### **CARCINOGENICITY:**

This product does not contain the carcinogenic substances which are listed in NTP, IARC and are regulated by OSHA.

#### **MEDICAL CONDITION AGGRAVATED BY LONG-TERM EXPOSURE:**

Not applicable.

#### **CHRONIC EFFECTS:**

No data is available on this product.

## 4. FIRST AID MEASURES

### **EYE CONTACT FIRST AID:**

Immediately wash eyes with plenty of water. If unsuccessful, get medical attention.

### **SKIN CONTACT FIRST AID:**

Wash thoroughly with soap and water.

### **INHALATION FIRST AID:**

Gargle with water, move to place in fresh air. If unsuccessful, get medical attention.

### **INGESTION FIRST AID:**

Dilute stomach contents with several glasses of water.

## 5. FIRE FIGHTING MEASURES

### **FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A

### **FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

### **BURNING RATE:**

Not available.

### **HMIS Rating:**

Health - 1

Flammability - 1

Reactivity - 0

### **EXTINGUISHING MEDIA:**

CO2, dry chemicals, foam or water.

### **FIRE FIGHTING INSTRUCTIONS:**

No special fire protecting method is required.

## 6. ACCIDENTAL RELEASE MEASURES

### **SPILL / LEAK PROCEDURES:**

If spilled, sweep up or pick up by vacuum cleaner (rated for developer extraction).

### **MISCELLANEOUS:**

Minimize inhalation of dust. Keep product out of sewers and watercourses.

## 7. HANDLING AND STORAGE

### **HANDLING PRECAUTIONS:**

Do not handle in areas where wind blows. Flying powder may enter eyes. Minimize breathing dust.

**STORAGE REQUIREMENTS:**

Avoid direct sunlight. Do not keep this over 35 degrees centigrade. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:**

None needed under normal use condition.

**RESPIRATORY PROTECTION:**

None required under normal conditions of use.

**PROTECTIVE CLOTHING / EQUIPMENT:**

None required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOR:	Magenta
ODOR:	slight plastic odor
BOILING POINT:	Not applicable C
VAPOR PRESSURE:	Not applicable psia
VAPOR DENSITY:	Not applicable (Air = 1)
SOLUBILITY IN WATER:	Insoluble
MELTING/FREEZING POINT:	Not applicable C
PH:	Not applicable
% VOLATILES:	- %
VISCOSITY:	Not applicable
EVAPORATION RATE:	Not applicable
DENSITY (G/CM3):	Approx. 5

## 10. STABILITY AND REACTIVITY

**POLYMERIZATION:**

None.

**CONDITIONS TO AVOID:**

Not applicable in normal use.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL EFFECTS:**

Rat: >5000mg/kg.

**CARCINOGENICITY:**

No data is available on this product.

**MUTAGENICITY:**  
Negative (Ames test).

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DEGRADATION:**  
Not known.

**MISCELLANEOUS:**  
Not known in bioaccumulation.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL:**  
Used developer should be disposed of in an environmentally appropriate manner and in accordance with governmental regulations.  
Do not incinerate.

## 14. TRANSPORT INFORMATION

**PRODUCT LABEL:** Printer Maintenance Kit Type 7200/7300B Color Developer (Magenta)

**MISCELLANEOUS:**  
Avoid direct sunlight. Do not keep this over 35 degrees centigrade.

## 15. REGULATORY INFORMATION

No information available.

## 16. OTHER INFORMATION

**HMIS Rating:**  
Health - 1  
Flammability - 1  
Reactivity - 0

**APPROVED BY:** David Huelbig  
**TITLE:** Safety Engineer  
**APPROVAL DATE:** July 27, 2005  
**SUPERCEDES DATE:** New  
**RTN NUMBER:** 00003198 (Official Copy)

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## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: Printer Maintenance Kit Type 7200/7300B Color Developer (Yellow)  
Product Number: 402306  
Chemical Name: mixture  
CAS Number: 0-00-0

#### Company Identification

Ricoh Corporation  
5 Dedrick Place  
West Caldwell, NJ 07006 USA  
1-973-882-2000 or 1-973-882-5218 (For product information)  
1-800-336-6737 (For emergencies)

#### **GENERAL USE:**

CL7200, CL7300.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### **COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
FERRITE	75.0 - 95.0 %	65997-18-4
POLYESTER RESIN	1.0 - 20.0 %	Confidential
ORGANIC PIGMENT	< 1.0 %	68516-73-4

#### **EXPOSURE GUIDELINES:**

No Information Available.

### 3. HAZARDS IDENTIFICATION

#### **PRIMARY ENTRY ROUTES:**

None.

#### **ACUTE SKIN EFFECTS:**

Non-irritant.

#### **CARCINOGENICITY:**

This product does not contain the carcinogenic substances which are listed in NTP, IARC and are regulated by OSHA.

#### **MEDICAL CONDITION AGGRAVATED BY LONG-TERM EXPOSURE:**

Not applicable.

#### **CHRONIC EFFECTS:**

No data is available on this product.

## 4. FIRST AID MEASURES

### **EYE CONTACT FIRST AID:**

Immediately wash eyes with plenty of water. If unsuccessful, get medical attention.

### **SKIN CONTACT FIRST AID:**

Wash thoroughly with soap and water.

### **INHALATION FIRST AID:**

Gargle with water, move to place in fresh air. If unsuccessful, get medical attention.

### **INGESTION FIRST AID:**

Dilute stomach contents with several glasses of water.

## 5. FIRE FIGHTING MEASURES

### **FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A

### **FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

### **BURNING RATE:**

Not available.

### **EXTINGUISHING MEDIA:**

CO<sub>2</sub>, dry chemicals, foam or water.

### **FIRE FIGHTING INSTRUCTIONS:**

No special fire protecting method is required.

## 6. ACCIDENTAL RELEASE MEASURES

### **SPILL / LEAK PROCEDURES:**

If spilled, sweep up or pick up by vacuum cleaner (rated for developer extraction).

### **MISCELLANEOUS:**

Minimize inhalation of dust. Keep product out of sewers and watercourses.

## 7. HANDLING AND STORAGE

### **HANDLING PRECAUTIONS:**

Do not handle in areas where wind blows. Flying powder may enter eyes. Minimize breathing dust.

### **STORAGE REQUIREMENTS:**

Avoid direct sunlight. Do not keep this over 35 degrees centigrade. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:**

None needed under normal use condition.

**RESPIRATORY PROTECTION:**

None required under normal conditions of use.

**PROTECTIVE CLOTHING / EQUIPMENT:**

None required under normal conditions of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOR:	Yellow
ODOR:	slight plastic odor
BOILING POINT:	Not applicable C
VAPOR PRESSURE:	Not applicable psia
VAPOR DENSITY:	Not applicable (Air = 1)
SOLUBILITY IN WATER:	Insoluble
MELTING/FREEZING POINT:	Not applicable C
PH:	Not applicable
% VOLATILES:	- %
VISCOSITY:	Not applicable
EVAPORATION RATE:	Not applicable
DENSITY (G/CM3):	approx. 5

## 10. STABILITY AND REACTIVITY

**POLYMERIZATION:**

None.

**CONDITIONS TO AVOID:**

Not applicable in normal use.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE ORAL EFFECTS:**

Rat: >5000mg/kg.

**CARCINOGENICITY:**

No data is available on this product.

**MUTAGENICITY:**

Negative (Ames test).

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DEGRADATION:**

Not known.

**MISCELLANEOUS:**

Not known in bioaccumulation.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL:**

Used developer should be disposed of in an environmentally appropriate manner and in accordance with governmental regulations.  
Do not incinerate.

**14. TRANSPORT INFORMATION**

PRODUCT LABEL: Printer Maintenance Kit Type 7200/7300B Color Developer (Yellow)

**MISCELLANEOUS:**

Avoid direct sunlight. Do not keep this over 35 degrees centigrade.

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

**HMIS Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0

APPROVED BY: David Huelbig  
TITLE: Safety Engineer  
APPROVAL DATE: July 26, 2005  
SUPERCEDES DATE: New  
RTN NUMBER: 00003197 (Official Copy)

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