



# Material Safety Data Sheet

For Supply Reorder Number:

## 484-5

<b>MSDS Number:</b>	<b>OCE 239, REV B</b> Océ Imagistics Inc.	<b>Issued:</b> <b>Revised:</b>	September 18, 2003 January 18, 2005
<b>Product Name:</b>	Toner Cartridge for the ix2700, ix2701, fx2100, sx2100 and mx2100 MFP	<b>Page:</b>	1 of 6

### SECTION I - PRODUCT IDENTIFICATION

<b>Product Name:</b>	Toner Cartridge for the ix2700, ix2701, fx2100, sx2100 and mx2100 MFP
<b>Reorder Number:</b>	484-5
<b>Manufacturer:</b>	Océ Imagistics Inc.
<b>Address:</b>	100 Oakview Drive
<b>City:</b>	Trumbull
<b>State:</b>	CT
<b>Zip:</b>	06611-4724
<b>For MSDS copies:</b>	203-365-7025 or "www.Imagistics.com"
<b>Emergency/Chemtrec:</b>	800-424-9300
<b>Effective Date:</b>	January 18, 2005
<b>Print Date:</b>	4/21/2006

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT NAME	CAS No.	%	EXPOSURE LIMITS
Toner powder (regulated as particulates not otherwise classified - PNOC)	Mixture	Proprietary	10 mg/m <sup>3</sup> , TWA (inhalable) TLV, 15 mg/m <sup>3</sup> TWA - PEL (Total Dust)
Carbon Black	1333-86-4	Proprietary	3.5 mg/m <sup>3</sup> TWA TLV, 3.5 mg/m <sup>3</sup> TWA - PEL

#### *Additional Information*

May Contain Non-Hazardous Ingredients: Styrene acrylate copolymer, silicon dioxide, fatty acid ester, polymers

### SECTION III - HAZARD IDENTIFICATION

<b>Emergency Overview:</b>	Black powder with no odor. High concentrations of dust suspended in air may present a dust explosion hazard. Inhalation of dust may cause minor respiratory irritation. Prolonged inhalation overexposure may result in lung damage.
<b>Relevant Routes of Exposure:</b>	Skin, eyes, inhalation
<b>Signs and Symptoms of Acute Overexposure:</b>	May cause mild eye irritation. This product is not a skin irritant.
<b>Signs and Symptoms of Chronic Overexposure:</b>	Prolonged inhalation of dust in excess of the exposure limits (as with any nuisance dust) may result in lung damage. Overexposure to dust in the normal use of this product is not expected.
<b>Medical Conditions Generally Aggravated By Exposure:</b>	None known
<b><u>Potential Health Effects:</u></b>	
<b>Eyes:</b>	May cause mild irritation.
<b>Skin:</b>	No adverse effects expected.
<b>Ingestion:</b>	No adverse effects expected. This product is not acutely toxic by ingestion.
<b>Inhalation:</b>	Could be a route of exposure, but unlikely under normal use. Inhalation of toner powder may cause mucous membrane and respiratory irritation.



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### SECTION III - HAZARD IDENTIFICATION

Prolonged and repeated overexposure may cause lung damage.

**Carcinogenicity:**

**NTP:**

No

**IARC:**

In 1996 IARC re-evaluated carbon black as a group 2B carcinogen (possible human carcinogen). Carbon black is a minor component of the total toner mixture. We believe that IARC's findings are not applicable to the typical uses and levels of exposure to toners or developers by our customers and service personnel.

**OSHA:**

No

**ACGIH:**

No

**OTHER:**

No

### SECTION IV - FIRST AID MEASURES

**Eyes:**

Do not rub eyes. Immediately flush with plenty of running cool to lukewarm water, holding eye lids open to assure thorough rinsing. Get medical attention if irritation persists or for foreign body in the eyes.

**Skin:**

Wash with soap and water.

**Ingestion:**

If swallowed, dilute with water. **DO NOT** induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get medical attention.

**Inhalation:**

Remove person to fresh air. Wash nostrils, rinse mouth. If irritation or pulmonary symptoms develop, consult a physician.

### SECTION V - FIRE FIGHTING PROCEDURES

**Flammable Limits in Air (% by Volume):**

Upper Explosion Limit: Unknown  
Lower Explosion Limit: 40 g/m<sup>3</sup>

**Flash Point:**

Not determined

**Autoignition Temperature:**

Not available

**Extinguishing Media:**

Water, ABC dry chemical, or protein type foams are recommended.

**Fire Fighting Instructions:**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Do not use methods that may create a dust cloud, such as high pressure water.

**Unusual Fire and Explosion Hazards:**

Toner powder can form explosive mixtures with air at high concentrations.

**Known or Anticipated Hazardous Products of Combustion:**

Carbon monoxide and carbon dioxide.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:**

Carefully sweep material onto paper, or vacuum taking care not to generate airborne dust. Do not use vacuum if large amounts are released due to risk of dust explosion.

**Personal Precautions:**

Avoid inhalation of dust.



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### SECTION VI - ACCIDENTAL RELEASE MEASURES

<b>Environmental Precautions:</b>	It is recommended to keep away from drains, surface and ground water.
<b>Methods for Cleanup:</b>	Sweep material onto paper, or vacuum small amounts.
<b>Large Spill:</b>	Not sold in large quantities.
<b>Small Spill:</b>	Sweep material onto paper or vacuum small amounts. Avoid generating airborne dust.

### SECTION VII - HANDLING AND STORAGE

<b>Handling:</b>	Avoid inhalation of toner dust. Avoid direct contact with toner. Keep container closed when not in use.
<b>Storage:</b>	Store in a cool, dry place. Keep container closed. Keep out of the reach of children.
<b>Other Precautions:</b>	Not required under normal use.

### SECTION VIII - EXPOSURE CONTROLS & PERSONAL PROTECTION

<b>Engineering Controls:</b>	None required with normal use.
<b>Ventilation Requirements:</b>	General office ventilation.
<b>Personal Protective Equipment:</b>	
<b>Eye/Face Protection:</b>	Not required under normal use.
<b>Skin Protection:</b>	Not required under normal use.
<b>Respiratory Protection:</b>	Not required under normal use.
<b>Other Protective Clothing or Equipment:</b>	Not required under normal use.
<b>Exposure Guidelines:</b>	See Section II

### SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Black powder with no odor.
<b>Boiling Point:</b>	Not applicable
<b>Color:</b>	Black
<b>Freezing Point:</b>	Not applicable
<b>Melting Point:</b>	248°F (120°C)
<b>Octanol/Water Partition Coefficient:</b>	No data
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	No data
<b>Percent Volatile:</b>	<0.5
<b>pH Value:</b>	Not applicable
<b>pH Concentration:</b>	Not applicable
<b>Physical State:</b>	Powder
<b>Reactivity in Water:</b>	None
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity or Density</b>	1.15 g/cm <sup>3</sup>



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### SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

(Water=1):

<b>Vapor Density:</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Pressure Temperature:</b>	Not applicable
<b>Volatile Organic Compounds:</b>	No data
<b>Water/Oil Distribution Coefficient:</b>	No data
<b>Weight Per Gallon:</b>	Not applicable

### SECTION X - STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Avoid temperatures above 392°F (200°C).
<b>Incompatibility With Other Materials:</b>	Avoid strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may release carbon dioxide and carbon monoxide.
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Conditions to Avoid:</b>	Not applicable

### SECTION XI - TOXICOLOGICAL INFORMATION

VALUE	ANIMAL	ROUTES	COMPONENTS
LD50: >2,000 mg/kg LC50: No data available LD50: No data available	Rat	Oral Inhalation Dermal	Product Product Product

#### ***Additional Information***

Note: This product tested negative in the AMES test for mutagenicity.

### SECTION XII - ECOLOGICAL INFORMATION

<b>Ecological Information:</b>	No data available
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### SECTION XIII - DISPOSAL CONSIDERATIONS

<b>Disposal Considerations:</b>	Dispose in accordance with local, state, and federal regulations.
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### SECTION XIV - TRANSPORT INFORMATION

#### **U.S. DOT**

<b>Proper Shipping Name:</b>	Not regulated
<b>Hazard Class:</b>	Not applicable
<b>ID Number:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Labels:</b>	None
<b>Special Provisions:</b>	None



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### SECTION XIV - TRANSPORT INFORMATION

<b>Packaging Exceptions:</b>	Not applicable
<b>Non-Bulk Packaging:</b>	Not applicable
<b>Bulk Packaging:</b>	Not applicable
<b>Air/Rail Limit:</b>	None
<b>Air Cargo Limit:</b>	None
<b>Vessel Stowage:</b>	Not applicable
<b>Other Stowage:</b>	Not applicable
<b>Reportable Quantity:</b>	None

#### AIR - ICAO OR IATA

<b>Proper Shipping Name:</b>	Not regulated
<b>Hazard Class:</b>	Not applicable
<b>ID Number:</b>	Not applicable
<b>Risk:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Hazard Labels:</b>	None
<b>Packing Instructions:</b>	Not applicable
<b>Air Passenger/Cargo Limit Per Package:</b>	Not applicable
<b>Packing Instruction - Cargo:</b>	Not applicable
<b>Air Cargo Limit Per Package:</b>	Not applicable
<b>Special Provisions Code:</b>	None

#### WATER - IMDG

<b>Proper Shipping Name:</b>	Not regulated
<b>Hazard Class:</b>	Not applicable
<b>ID Number:</b>	Not applicable
<b>Packing Group:</b>	Not applicable
<b>Risk:</b>	Not applicable
<b>Emergency Procedures Code:</b>	Not applicable
<b>Medical First Aid Guide Code:</b>	Not applicable

### SECTION XV - REGULATORY INFORMATION

<b>U.S. Federal Regulations:</b>	See below
<b>State Regulations:</b>	This product contains no chemicals subject to California Proposition 65.
<b>International Regulations:</b>	EU: Not classified as a dangerous material. All of the components are listed on the EINECS inventory. Canada: Not a controlled product. Japan: All of the components are listed on the Japanese MITI inventory. Australia: All of the components are listed on the Australian AICS inventory.

#### SARA Hazards:

<b>Acute:</b>	No
<b>Chronic:</b>	No



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### SECTION XV - REGULATORY INFORMATION

**Reactive:** No  
**Fire:** No  
**Pressure:** No

#### *Additional Information*

This product does not contain chemical or chemical compounds listed in the following  
SARA Title III categories: Extremely Hazardous Substances (302), Toxic Chemical Release Reporting (313).  
All of the components are listed on the TSCA inventory.

### SECTION XVI - OTHER INFORMATION

#### NFPA Codes:

**Health:** 1  
**Flammability:** 1  
**Reactivity:** 0  
**Other:** 0

#### HMIS Codes:

**Health:** 1  
**Flammability:** 1  
**Reactivity:** 0  
**Protection:**

**Other Information:** Keep out of reach of children.