



# Material Safety Data Sheet

For Supply Reorder Number:

## 460-4

<b>MSDS Number:</b>	<b>OCE 077, REV A</b> Océ Imagistics Inc.	<b>Issued:</b>	June 21, 2002
		<b>Revised:</b>	May 31, 2005
<b>Product Name:</b>	Toner for DL270, DL370, DL200, DF270, DF370, DF200 Copier	<b>Page:</b>	1 of 6

### SECTION I - PRODUCT IDENTIFICATION

<b>Product Name:</b>	Toner for DL270, DL370, DL200, DF270, DF370, DF200 Copier
<b>Reorder Number:</b>	460-4
<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>	June 21, 2002
<b>Print Date:</b>	4/24/2006

### 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	01333-86-4	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: Polyester Resin, Polyolefin Wax, Magnetite, Organic Dye

### SECTION III - HAZARD IDENTIFICATION

<b>Emergency Overview:</b>	Black powder with a faint 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. No animal testing was performed with this specific product, however, based on animal testing with products of similar composition, eye irritation would be expected to be mild. 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>Potential Health Effects:</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



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### SECTION III - HAZARD IDENTIFICATION

**Inhalation:**

ingestion.

Could be a route of exposure, but unlikely under normal use. Inhalation of toner powder may cause mucous membrane and respiratory irritation. 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):**

Not determined

**Flash Point:**

Not applicable

**Autoignition Temperature:**

Greater than 400°C

**Extinguishing Media:**

Water spray, carbon dioxide, dry chemical, or foam.

**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:**

Emits carbon dioxide and carbon monoxide under fire conditions.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:**

Carefully sweep material onto paper, or vacuum taking care not to



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### SECTION VI - ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	generate airborne dust. Do not use vacuum if large amounts are released due to risk of dust explosion.
<b>Environmental Precautions:</b>	Avoid inhalation of dust.
<b>Methods for Cleanup:</b>	It is recommended to keep away from drains, surface and ground water.
<b>Large Spill:</b>	Sweep material onto paper, or vacuum small amounts.
<b>Small Spill:</b>	Not sold in large quantities.
	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 faint odor
<b>Boiling Point:</b>	Not applicable
<b>Color:</b>	Black
<b>Freezing Point:</b>	No data available
<b>Melting Point:</b>	110-125° C
<b>Octanol/Water Partition Coefficient:</b>	No data available
<b>Odor:</b>	Faint odor
<b>Odor Threshold:</b>	No data available
<b>Percent Volatile:</b>	Not applicable
<b>pH Value:</b>	Not applicable
<b>pH Concentration:</b>	Not applicable
<b>Physical State:</b>	Powder



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### SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

<b>Reactivity in Water:</b>	None
<b>Solubility in Water:</b>	Negligible
<b>Specific Gravity or Density (Water=1):</b>	1.2
<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 available
<b>Water/Oil Distribution Coefficient:</b>	No data available
<b>Weight Per Gallon:</b>	Not applicable

### SECTION X - STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Avoid excessive heat and electrical discharge. Do not throw into fire.
<b>Incompatibility With Other Materials:</b>	Strong oxidizing materials
<b>Hazardous Decomposition Products:</b>	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
LC50: > 1.93 g/l/4 hr	Rats	Inhalation	Product
LD50: >2000 mg/kg	Rats	Oral	Product
LD50: No data available		Dermal	Product

#### **Additional Information**

Note: No animal testing was performed with this specific product. The values above are derived from previous testing of products with similar composition. Similar products have been found to be negative in skin sensitization tests with guinea-pigs. Similar products 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



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### SECTION XIV - TRANSPORT INFORMATION

#### U.S. DOT

**Proper Shipping Name:** Not regulated  
**Hazard Class:** Not applicable  
**ID Number:** Not applicable  
**Packing Group:** Not applicable  
**Labels:** None  
**Special Provisions:** None  
**Packaging Exceptions:** Not applicable  
**Non-Bulk Packaging:** Not applicable  
**Bulk Packaging:** Not applicable  
**Air/Rail Limit:** None  
**Air Cargo Limit:** None  
**Vessel Stowage:** Not applicable  
**Other Stowage:** Not applicable  
**Reportable Quantity:** None

#### AIR - ICAO OR IATA

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

#### WATER - IMDG

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



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### SECTION XV - REGULATORY INFORMATION

**U.S. Federal Regulations:** See below  
**State Regulations:** This product contains no chemicals subject to California Proposition 65.  
**International Regulations:** EU: Not classified as a dangerous material. All of the components are listed on the EINECS inventory.  
Canada: Not a controlled product.

#### SARA Hazards:

**Acute:** No  
**Chronic:** No  
**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 the components of this product are listed in the EPA 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