



Material Safety Data Sheet

For Supply Reorder Number:

473-0

MSDS Number:	IGI 271, REV A Océ Imagistics Inc.	Issued:	March 20, 2006
Product Name:	Black Toner for sx1480 and fx2080	Revised:	
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SECTION I - PRODUCT IDENTIFICATION

Product Name:	Black Toner for sx1480 and fx2080
Reorder Number:	473-0
Manufacturer:	Océ Imagistics Inc.
Address:	100 Oakview Drive
City:	Trumbull
State:	CT
Zip:	06611-4724
For MSDS copies:	203-365-7025
Emergency/Chemtrec:	800-424-9300
Effective Date:	March 20, 2006
Print Date:	4/3/2006

SECTION II - HAZARDOUS INGREDIENTS

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

Additional Information

May Contain Non-Hazardous Ingredients: Styrene acrylate copolymer, fatty acid ester, amorphous silicone dioxide, polymethyl methacrylate

SECTION III - HAZARD IDENTIFICATION

Emergency Overview:	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.
Relevant Routes of Exposure:	Skin, eyes, inhalation
Signs and Symptoms of Acute Overexposure:	May cause mild eye irritation. This product is not a skin irritant.
Signs and Symptoms of Chronic Overexposure:	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.
Medical Conditions Generally Aggravated By Exposure:	None known
Potential Health Effects:	
Eyes:	May cause mild irritation.
Skin:	No adverse effects expected.
Ingestion:	No adverse effects expected. This product is not acutely toxic by ingestion.
Inhalation:	Could be a route of exposure, but unlikely under normal use. Inhalation



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SECTION III - HAZARD IDENTIFICATION

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:	Not determined
Extinguishing Media:	Water spray, CO ₂ , dry chemical powder, 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:	May emit carbon and nitrogen oxides 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

Personal Precautions:	generate airborne dust. Do not use vacuum if large amounts are released due to risk of dust explosion.
Environmental Precautions:	Avoid inhalation of dust.
Methods for Cleanup:	It is recommended to keep away from drains, surface and ground water.
Large Spill:	Sweep material onto paper, or vacuum small amounts.
Small Spill:	Not sold in large quantities.
	Sweep material onto paper or vacuum small amounts. Avoid generating airborne dust.

SECTION VII - HANDLING AND STORAGE

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

SECTION VIII - EXPOSURE CONTROLS & PERSONAL PROTECTION

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

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Black powder with no odor.
Boiling Point:	Not applicable
Color:	Black
Freezing Point:	No data
Melting Point:	120°C
Octanol/Water Partition Coefficient:	No data
Odor:	None
Odor Threshold:	No data
Percent Volatile:	Not applicable
pH Value:	Not applicable
pH Concentration:	Not applicable
Physical State:	Powder
Reactivity in Water:	None
Solubility in Water:	Negligible



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SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Specific Gravity or Density (Water=1):	1.15
Vapor Density:	Not applicable
Vapor Pressure:	Not applicable
Vapor Pressure Temperature:	Not applicable
Volatile Organic Compounds:	No data
Water/Oil Distribution Coefficient:	No data
Weight Per Gallon:	Not applicable

SECTION X - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Avoid excessive heat and electrical discharge. Do not throw into fire.
Incompatibility With Other Materials:	Strong oxidizing materials and reducing agents.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide, nitrogen oxides.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not applicable

SECTION XI - TOXICOLOGICAL INFORMATION

VALUE	ANIMAL	ROUTES	COMPONENTS
LC50: > 5 mg/l	Rat	Inhalation	Product
LD50: > 2,000 mg/kg	Rat	Oral	Product

SECTION XII - ECOLOGICAL INFORMATION

Ecological Information:	No data available.
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SECTION XIII - DISPOSAL CONSIDERATIONS

Disposal Considerations:	Dispose in accordance with local, state, and federal regulations.
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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



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SECTION XIV - TRANSPORT INFORMATION

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

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 contains the following chemical or chemical compounds listed in the following SARA Title III



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SECTION XV - REGULATORY INFORMATION

categories: Extremely Hazardous Substances (302): None

Toxic Chemical Release Reporting (313): None

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.