



# MATERIAL SAFETY DATA SHEET

<b>1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**Product Name:** InfoPrint 1601, 1602, 1612 Return Program Toner Cartridge

**Product No.:** See synonyms

**Synonyms:** InfoPrint 1601, 1602, 1612 Return Program Toner Cartridge; InfoPrint 1601, 1602, 1612 Toner Cartridge; InfoPrint 1612 High Yield Toner Cartridge; InfoPrint 1612 Return Program High Yield Toner Cartridge; InfoPrint 1622 High Yield Toner Cartridge

InfoPrint 1622 Return Program High Yield Toner Cartridge; InfoPrint 1622 Return Program Toner Cartridge; InfoPrint 1622 Toner Cartridge

Product No.: 39V1638, 39V1637, 39V1641, 39V1642, 39V1643, 39V1644, 39V1640, 39V1639

Company Chemical No.: 940279680

**Manufacturer Name:**

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**Emergency Telephone:**

866-213-4250

**Supplier:**

InfoPrint Solutions Company, LLC

6300 Diagonal Highway

Boulder, Colorado 80301-9270

U.S.A.

www.infoprint.com

**Intended Use:** Toner for use in InfoPrint printers

**Contact Person:**

msdsinfo@infoprint.com

<b>2</b>	<b>HAZARDS IDENTIFICATION</b>
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**Emergency Overview**

**Physical State:** Powder

**Color:** Black

**Odor:** Faint

Low hazard for usual industrial or commercial handling by trained personnel.

**Potential Health Effects**

**Inhalation:** Respiratory tract irritation may occur with exposure to large amounts of dust.

**Eye Contact:** Mechanical irritation of eyes.

**Skin Contact:** Not known to InfoPrint Solutions Company as a dermal irritant or dermal sensitizer.

**Ingestion:** No harmful effects expected in amounts likely to be ingested by accident.

**Chronic Health Effects:** Inhalation of airborne titanium dioxide dust may cause cancer. Chronic exposure may cause potential risk of irreversible pulmonary effects. Chronic exposure is highly unlikely when this product is used as intended.

**Target Organ(s):** | Respiratory system | Eye | Skin |

**Potential Physical / Chemical Effects:** This product is not flammable. Fine particles may form explosive mixtures with air.

**OSHA Regulatory Status:** This product is hazardous according to OSHA 29CFR 1910.1200.

**Environment:** No data available.

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS-No.	Concentration*
Polyester resin	Trade secret	65 - 85%
Iron oxide	1317-61-9	6 - 13%
†Carbon black	1333-86-4	1 - 10%
Polymer wax	Trade secret	1 - 5%
Amorphous silica (modified)	Trade secret	1 - 3%
†Titanium dioxide	13463-67-7	0.1 - 0.5%

\* All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

† This chemical is hazardous according to OSHA/WHMIS criteria.

However, Carbon black is not classified as hazardous when bound in toner polymers.

<b>4</b>	<b>FIRST AID MEASURES</b>
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**Inhalation:** If symptomatic, move to fresh air. Get medical attention if any discomfort continues.

**Eye Contact:** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Skin Contact:** Should dermal irritation or dermal sensitization occur, seek medical attention.

**Ingestion:** Rinse mouth thoroughly if dust is ingested. Get medical attention if any discomfort continues.

<b>5</b>	<b>FIRE-FIGHTING MEASURES</b>
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**Extinguishing Media:** Extinguish with foam, carbon dioxide, dry powder or water fog.

**Unsuitable Extinguishing Media:** None.

**Special Fire Fighting Procedures:** Avoid dust formation.

**Unusual Fire & Explosion Hazards:** Dust may form explosive mixture with air.

**Hazardous Combustion Products:** Carbon Oxides, Unidentified organic compounds

**Protective Measures:** Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

**Flammability Class:** NFPA Rating Fire = 1. Materials that must be preheated before ignition can occur.

<b>6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**Personal Precautions:** Wear necessary protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

**Spill Cleanup Methods:** Sweep or scoop up and remove. Avoid dust formation. Avoid sparks and prevent accumulation of electrostatic charges. Collect and dispose of spillage as indicated in section 13 of the MSDS.

**Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.

**Notification Procedures:** Inform authorities if large amounts are involved.

<b>7</b>	<b>HANDLING AND STORAGE</b>
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**Handling:** Avoid inhalation of dust and exposure to eyes and skin. Use with adequate ventilation. Wear necessary protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Observe good industrial hygiene practices.

**Storage:** Store in closed original container in a dry place. Keep away from heat, sparks and open flame. Store away from incompatible materials. See Section 10 for incompatible materials.

<b>8</b>	<b>EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Exposure Limits:**

Chemical Name	Source	Type	Exposure Limits	Notes
Carbon black	CA. Alberta OELs	TWA	3.5 mg/m <sup>3</sup>	
Carbon black	CA. British Columbia OELs	TWA	3.5 mg/m <sup>3</sup>	
Carbon black	CA. Ontario OELs	TWA	3.5 mg/m <sup>3</sup>	
Carbon black	CA. Quebec OELs	TWA	3.5 mg/m <sup>3</sup>	
Carbon black	MEX. OELs	TWA	3.5 mg/m <sup>3</sup>	
Carbon black	MEX. OELs	STEL	7 mg/m <sup>3</sup>	
Carbon black	US. ACGIH TLV	TWA	3.5 mg/m <sup>3</sup>	
Carbon black	US. NIOSH Guide	IDLH	1750 mg/m <sup>3</sup>	
Carbon black	US. OSHA Z-1 PEL	TWA	3.5 mg/m <sup>3</sup>	
Titanium dioxide	CA. Alberta OELs	TWA	10 mg/m <sup>3</sup>	
Titanium dioxide (Total dust.)	CA. British Columbia OELs	TWA	10 mg/m <sup>3</sup>	
Titanium dioxide (Respirable)	CA. British Columbia	TWA	3 mg/m <sup>3</sup>	

fraction.)	OELs			
Titanium dioxide (Total dust.)	CA. Ontario OELs	TWA	10 mg/m <sup>3</sup>	
Titanium dioxide	MEX. OELs	STEL	20 mg/m <sup>3</sup>	as Ti
Titanium dioxide	MEX. OELs	TWA	10 mg/m <sup>3</sup>	as Ti
Titanium dioxide	US. ACGIH TLV	TWA	10 mg/m <sup>3</sup>	
Titanium dioxide	US. NIOSH Guide	IDLH	5000 mg/m <sup>3</sup>	
Titanium dioxide (Total dust.)	US. OSHA Z-1 PEL	TWA	15 mg/m <sup>3</sup>	

**Engineering Controls:** Provide adequate ventilation.

**Respiratory Protection:** No protection is ordinarily required under normal conditions of use and with adequate ventilation. During dust-raising work: If ventilation is insufficient, suitable respiratory protection must be provided.

**Eye Protection:** If significant eye exposure is anticipated, the use of chemical safety goggles is recommended.

**Hand Protection:** If significant skin exposure is anticipated, the use of protective gloves is recommended.

**Skin Protection:** No protection is ordinarily required under normal conditions of use.

**Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental Exposure Controls:** Environmental manager must be informed of all major spillages.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Color:** Black

**Odor:** Faint

**Odor Threshold:** No data available.

**Physical State:** Powder

**pH:** Not applicable

**Melting Point:** No data available.

**Freezing Point:** Not applicable.

**Boiling Point:** Not applicable.

**Flash Point:** Not applicable.

**Evaporation Rate:** Not applicable.

**Flammability (Solid):** No data available.

**Flammability Limit - Upper (%):** No data available.

**Flammability Limit - Lower (%):** No data available.

**Vapor Pressure:** Not applicable.

**Vapor Density (Air=1):** Not applicable.

**Specific Gravity:** No data available.

**Solubility in Water:** Insoluble

**Solubility (Other):** No data available.

**Partition Coefficient (n-Octanol/water):** Not applicable.

**Autoignition Temperature:** Not applicable.

**Decomposition Temperature:** No data available.

**Volatile Organic Compounds (VOC):** Not applicable.

**Viscosity:** Not applicable.

**Explosive Properties:** No data available

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Stability:** Stable under normal temperature conditions.

**Conditions to Avoid:** Heat, sparks, flames.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:**

At Elevated Temperatures:	Unidentified organic compounds
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**Possibility of Hazardous Reactions:** Will not occur.

<b>11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**Specified Substance(s)**

**Acute Toxicity:**

Chemical Name	Test Results
Carbon black	Dermal LC50 (Rabbit): >3000 mg/kg
Carbon black	Oral LD50 (Rat): >15400 mg/kg

**Chronic Toxicity:** Inhalation of airborne titanium dioxide dust may cause cancer. Pure carbon black is not classified as hazardous when bound in toner polymers.

**Listed Carcinogens:**

Chemical Name	IARC	NTP	OSHA	ACGIH
Carbon black	2B	Not Listed	Not Listed	A4
Titanium dioxide	2B	Not Listed	Not Listed	A4

IARC: 1 = Carcinogenic to Humans; 2A = Probably Carcinogenic to Humans; 2B = Possibly Carcinogenic to Humans; 3 = Not classifiable as to carcinogenicity to humans; 4 = Probably not carcinogenic to humans; Not listed = Not evaluated by IARC.

ACGIH: A1 = Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Confirmed Animal Carcinogen; A4 = Not classifiable as a human carcinogen; A5 = Not suspected to be a human carcinogen; Not listed = Not evaluated by ACGIH.

**Product Information**

**Acute Toxicity:**

**Test Results:** No test data available for the product.

**Other Acute:** As with exposure to high concentrations of any dust, irritation of the respiratory tract may occur. Persons with certain pre-existing upper respiratory disorders, such as bronchitis or asthma have an increased risk of irritation.

**Chronic Toxicity:** No additional adverse health effects noted.

<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:** No data available.

**Mobility:** The product is insoluble in water.

**Persistence and Degradability:** No data available.

**Bioaccumulation Potential:** No data available.

<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**General Information:** Dispose in accordance with applicable federal, state, and local regulations.

**Disposal Methods:** No specific disposal method required.

**Container:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT** Not regulated.

**TDG** Not regulated.

**IATA** Not regulated.

**IMDG** Not regulated.

<b>15</b>	<b>REGULATORY INFORMATION</b>
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**Canadian Controlled Products Regulations:** This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information.

**WHMIS Classification:** Exempt (manufactured article).

**Mexican Dangerous Statement:** This product is dangerous according to Mexican regulations.

**Inventory Status**

**This product or all components are listed or exempt from listing on the following inventory:** TSCA, DSL

**US Regulations**

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not regulated.

**SARA Title III**

**Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A):** Not regulated.

**Section 311/312 (40 CFR 370):**

Acute (Immediate)     Chronic (Delayed)     Fire     Reactive     Pressure Generating

**Section 313 Toxic Release Inventory (40 CFR 372):** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**  
Not regulated.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** Not regulated.

**Drug Enforcement Act:** Not regulated.

**TSCA**

**TSCA Section 4(a) Final Test Rules & Testing Consent Orders:** Not regulated.

**TSCA Section 5(a)(2) Final Significant New Use Rules (SNURs) (40CFR 721, Subpt. E):** Not regulated.

**TSCA Section 5(e) PMN-Substance Consent Orders:** Not regulated.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** Carbon black: This product contains no known material requiring warning under California Proposition 65. Pure carbon black is on the State of California's list of chemicals known to cause cancer or reproductive toxicity, but the California Office of Environmental Health Hazard Assessment (OEHHA) exempted carbon black bound in product formulations such as toner from the Proposition 65 warning requirements.

**Massachusetts Right-To-Know List:** Carbon black

**Michigan Critical Materials List (Michigan Natural Resources and Environmental Protection Act (Act. 451 of 1994)):** Not regulated.

**Minnesota Hazardous Substances List:** Carbon black

**New Jersey Right-To-Know List:** Carbon black

**Pennsylvania Right-To-Know List:** Carbon black

**Rhode Island Right-To-Know List:** Carbon black

<b>16</b>	<b>OTHER INFORMATION</b>
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**HAZARD RATINGS**

	<b>Health Hazard</b>	<b>Fire Hazard</b>	<b>Instability</b>	<b>Special Hazard</b>
<b>NFPA</b>	1	1	0	0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

NFPA Label colored diamond code: Blue - Health; Red - Flammability; Yellow - Instability; White - Special Hazards

	<b>Health Hazard</b>	<b>Flammability</b>	<b>Physical Hazard</b>	<b>Personal Protection</b>
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<b>HMIS</b>	1*	1	0	E
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Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe \*- Chronic Health Effect

Personal Protection codes: E - Safety Glasses, Gloves, Dust Respirator

HMIS Label colored bar code: Blue - Health; Red - Flammability; Orange - Physical Hazards; White - Special

**Issue Date:** 23-Aug-2010

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**SDS No.:** 1026233

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