



InfoPrint Solutions Company

# MATERIAL SAFETY DATA SHEET

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** InfoPrint 4100 Enhanced Printing Toner Version 3

**Product No.:** 57P1887

**Synonyms:** Company Chemical No.: 940115710

**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

## 2 HAZARDS IDENTIFICATION

### 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:** None known.

**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 not hazardous according to OSHA 29CFR 1910.1200 due to its physical nature.

**Environment:** No data available.

<b>3</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS-No.	Concentration*
Polyester resin	343277-25-8	40 - 70%
Polyester resin	343246-77-5	20 - 50%
Pigment Black 12	68187-02-0	5 - 10%
C.I. Solvent black 7	8005-02-5	1 - 5%
Carnauba wax	8015-86-9	1 - 5%
Silica	199876-44-3	0.1 - 1%
†Quaternary ammonium compound	117342-25-3	< 1%

\* 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.

<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:** Wash skin with soap and water. 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, Iron oxides, Titanium Oxides

**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.

## 6 ACCIDENTAL RELEASE MEASURES

**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.

## 7 HANDLING AND STORAGE

**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.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits:

Chemical Name	Source	Type	Exposure Limits	Notes
Quaternary ammonium compound	CA. Alberta OELs	TWA	5 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	CA. Alberta OELs	TWA	10 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound (Inhalable)	CA. British Columbia OELs	TWA	10 mg/m <sup>3</sup>	
Quaternary ammonium compound (Respirable.)	CA. British Columbia OELs	TWA	0.5 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound (Respirable.)	CA. British Columbia OELs	TWA	3 mg/m <sup>3</sup>	
Quaternary ammonium compound (Respirable.)	CA. Ontario OELs	TWA	3 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound (Respirable.)	CA. Ontario OELs	TWA	0.5 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound (Inhalable)	CA. Ontario OELs	TWA	10 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	CA. Quebec OELs	TWA	10 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	CA. Quebec OELs	TWA	5 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	MEX. OELs	TWA	10 mg/m <sup>3</sup>	as Mo

Quaternary ammonium compound	MEX. OELs	STEL	20 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	MEX. OELs	TWA	5 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	MEX. OELs	STEL	10 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound (Respirable fraction.)	US. ACGIH TLV	TWA	0.5 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound (Respirable fraction.)	US. ACGIH TLV	TWA	3 mg/m <sup>3</sup>	as Mo
Quaternary ammonium compound	US. NIOSH Guide	IDLH	1000 mg/m <sup>3</sup>	
Quaternary ammonium compound	US. NIOSH Guide	Concentration	5000 mg/m <sup>3</sup>	
Quaternary ammonium compound	US. OSHA Z-1 PEL	TWA	5 mg/m <sup>3</sup>	as Mo

**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:** 1.1 (water=1)  
**Solubility in Water:** Not soluble in water.  
**Solubility (Other):** Not applicable.  
**Partition Coefficient (n-Octanol/water):** No data available.  
**Autoignition Temperature:** Not applicable.  
**Decomposition Temperature:** Not applicable.  
**Softening Point:** 120°C (248°F)  
**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:	Carbon Oxides
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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:**

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

**Chronic Toxicity:** Not known.

**Listed Carcinogens:**

**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 may 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:** Not controlled.

**Mexican Dangerous Statement:** This product is not hazardous according to the Mexican regulations due to its physical nature.

**Inventory Status**

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

**This product or one or more component(s) are not listed on the following inventory:** 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:** C.I. Solvent black 7

**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):** C.I. Solvent black 7

### **State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):** Not regulated.

**Massachusetts Right-To-Know List:** Not regulated.

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

**Minnesota Hazardous Substances List:** Not regulated.

**New Jersey Right-To-Know List:** Not regulated.

**Pennsylvania Right-To-Know List:** Not regulated.

**Rhode Island Right-To-Know List:** Not regulated.

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

	Health Hazard	Fire Hazard	Instability	Special Hazard
<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

	Health Hazard	Flammability	Physical Hazard	Personal Protection
<b>HMIS</b>	1	1	0	E

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

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

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

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