



InfoPrint Solutions Company

MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: InfoPrint 4000/3900 Enhanced Printing Toner

Product No.: 57P1888

Synonyms: Company Chemical No.: 940108400

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.

3	COMPOSITION / INFORMATION ON INGREDIENTS
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Chemical Name	CAS-No.	Concentration*
Polyester resin	343246-77-5	30 - 60%
Polyester resin	343277-25-8	30 - 60%
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.

4	FIRST AID MEASURES
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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.

5	FIRE-FIGHTING MEASURES
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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, Molybdenum compounds, Nitrogen Oxides, Silicium oxide, Titanium Oxides, iron

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
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Exposure Limits:

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

compound				
Quaternary ammonium compound	MEX. OELs	STEL	20 mg/m ³	as Mo
Quaternary ammonium compound	MEX. OELs	STEL	10 mg/m ³	as Mo
Quaternary ammonium compound	US. NIOSH Guide	Concentration	5000 mg/m ³	
Quaternary ammonium compound	US. NIOSH Guide	IDLH	1000 mg/m ³	
Quaternary ammonium compound	US. OSHA Z-1 PEL	TWA	5 mg/m ³	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.

9	PHYSICAL AND CHEMICAL PROPERTIES
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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: No data available.

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) (Approximate)
Viscosity: Not applicable.
Explosive Properties: No data available

10	STABILITY AND REACTIVITY
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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.

11	TOXICOLOGICAL INFORMATION
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Specified Substance(s)

Acute Toxicity:

Test Results: No test data available for the ingredients.

Chronic Toxicity: Not known.

Listed Carcinogens:

Chemical Name	IARC	NTP	OSHA	ACGIH
Quaternary ammonium compound	Not Listed	Not Listed	Not Listed	A3

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.

12	ECOLOGICAL INFORMATION
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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.

13	DISPOSAL CONSIDERATIONS
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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.

14	TRANSPORT INFORMATION
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DOT Not regulated.

TDG Not regulated.

IATA Not regulated.

IMDG Not regulated.

15	REGULATORY INFORMATION
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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: Quaternary ammonium compound

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

Pennsylvania Right-To-Know List: Not regulated.

Rhode Island Right-To-Know List: Quaternary ammonium compound

16	OTHER INFORMATION
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HAZARD RATINGS

	Health Hazard	Fire Hazard	Instability	Special Hazard
NFPA	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
HMIS	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

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

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