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# OKI® B8300

## Warranty, Safety and Regulatory Information

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### Limited Warranty: U.S. & Canada

Oki Data Americas, Inc. (Oki Data) warrants this printer to be free from defect in material and workmanship and will remedy any such defect according to the terms of this *Limited Warranty*.

This *Limited Warranty* extends to the original purchaser only. This *Limited Warranty* does not extend to consumable items.

Oki Data will repair (or at its option, replace) at no charge, any defective component(s) for one (1) year from date of original purchase or for 500,000 printed impressions, whichever comes first, provided that the warranty service is performed by an Oki Data authorized service provider. Oki Data reserves the right to use new and/or refurbished parts in the warranty repair process.

Oki Data will repair (or at its option, replace) at no charge, any defective component(s) of the printer on-site for a period of one (1) year from the date of purchase or for 500,000 printed impressions, whichever comes first.

To make request or claim for service under this *Limited Warranty*, contact your Oki Data Authorized Dealer, authorized third-party service provider, or Oki Data.

A written receipt for the product, showing the date of purchase, dealer's name, and serial number of the printer, must accompany any request or claim for work to be performed under this *Limited Warranty*.

This *Limited Warranty* shall not apply if the product has been damaged due to abuse, misuse, misapplication, accident, or as a result of service or modification by any other than an authorized Oki service center.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE ON THE FACE HEREOF AND DESCRIBED ABOVE. NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND BEYOND THE RESPECTIVE WARRANTY PERIOD DESCRIBED IN THE ABOVE TABLE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

OKI DATA SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSS ARISING FROM THE USE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

Additional information on obtaining service under this *Limited Warranty* is available by contacting the Oki Data dealer from whom the product was purchased, by contacting Oki Data directly at 1-800-654-3282 (1-800-OKI-DATA) [U.S. and Canada, English only] or at 1-856-222-7496 (Spanish only), or by contacting one of the listed service locations.

This *Limited Warranty* applies to this Oki Data printer. However, the procedure for obtaining service may vary outside the

continental United States. Contact your Oki Data dealer for such warranty service information.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### On-Site Repair

**Note:** On-Site Repair is available in the United States and Canada only. On-Site Repair does not include the replacement or repair of product consumables or supplies.

Oki Data will, for a period of one (1) year from the date of original purchase, or for 500,000 printed impressions, whichever comes first, repair or replace (at Oki Data's option) on-site at the original purchaser's facility and without charge, any defective component(s) of the printer, provided that the warranty service is performed by an Oki Data authorized service provider. Oki Data reserves the right to use new and/or refurbished parts for the warranty repair.

As a condition of this *Limited Warranty*, requests for On-Site Repair must include the name and phone number of a fully competent and responsible adult with the authority to consent to the entry of the servicing technician to the premises where the printer is located, and who will remain with the servicing technician while the service work is performed. Any and all dangerous conditions must be removed from the site prior to and throughout the time a service technician is present. The service technician may refrain from entering the premises or continuing to provide services at any site, if in the servicing technician's reasonable judgement the site poses a risk of physical harm or danger. If warranty services cannot be performed or completed due to any of the foregoing reasons the On-Site service option is null and void and the product must be returned to an authorized Oki Data service location for warranty repair service.

## Okidata Service Providers: U.S. & Canada

For the most comprehensive, up-to-date listing of Okidata authorized Service Centers in the United States and Canada:

- In the U.S. go to [www.okidata.com](http://www.okidata.com) and click Dealer Locator, or call 1-800-654-3282 (1-800-OKI-DATA).
- In Canada, call 1-800-654-3282 (1-800-OKI-DATA).

### Okidata Contact Locations: U.S. & Canada

United States	Canada
Okidata Americas, Inc. 2020 Bishops Gate Blvd. Mt. Laurel, NJ 08054 Phone: 1-800-654-3282 Fax: 1-856-222-5247	Okidata Americas, Inc. 2735 Matheson Blvd. East, Unit 1 Mississauga, Ontario Canada L4W 4M8 Phone: 1-800-654-3282 Fax: 1-905-238-4421

## Service and Support: U.S. & Canada

Okidata is firmly committed to the satisfaction of our customers. If you have a problem that your customer documentation cannot solve, contact the listed sources for service or support.

### Sales and Service Dealers: U.S. & Canada

Consult the store location where you purchased your machine, or contact Okidata for the location of the nearest Authorized Okidata Service Dealer.

- Prices and minimum charges may vary.
- Proof of purchase is required for warranty work. Be sure to retain your purchase documents.

### Telephone Support (Toll Free in the U.S. and Canada)

#### Automated Attendant 1-800-654-3282 (1-800-OKI-DATA)

For quick answers to commonly-asked questions, the Automated Attendant is available 24 hours a day, 7 days a week. The system can provide immediate assistance with:

- Basic operating procedures
- Sales and service referrals
- Parts and consumable referrals
- Product information

### Customer Support Professionals 1-800-654-3282 (1-800-OKI-DATA)

Customer Support Professionals are available 24 hours a day, 7 days a week. Please be sure that you are calling from a telephone close to your machine so you can describe your problem accurately.

Our Customer Support Professionals are trained on all current OKI products. They can answer your questions regarding:

- Locations of sales and service dealers
- Installation of your machine
- Usage/normal maintenance of your machine
- Error message interpretation/solutions
- Parts and supplies identification
- Consumer relations

**Note:** Customer Support Representatives are not trained to provide assistance with the use of commercial software packages. Please consult your software user's manual for times and availability of their support.

## Limited Warranty: Latin America

Okidata warrants this printer (hereinafter Product) to be free in defect in material and workmanship and will remedy any such defect according to the terms of this *Limited Warranty*. This *Limited Warranty* does not extend to consumable items, including but not limited to ribbon cartridges, fuses, etc.

Okidata will repair (or at its option, replace) at no charge, any defective component(s) of the printer for a period of one (1) year from the date of purchase or for 500,000 printed impressions, whichever comes first.

This *Limited Warranty* extends to the original purchaser only.

To make a request or claim for service under this *Limited Warranty* the original purchaser must return the Okidata Product to an Authorized Okidata Service Center within the country purchased. The purchaser returning the Product for repair must pay for all transportation charges to the repair center. A written receipt for the Product, showing the date of purchase, dealer's name, and both the model and serial numbers of the Okidata Product must accompany any request or claim for work to be performed under this *Limited Warranty*.

This shall not apply if the Product has been damaged due to abuse, misuse, misapplication, accident, or as a result of service or modification by any other than an authorized Okidata service center.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE ON THE FACE HEREOF AND DESCRIBED ABOVE. NO WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND BEYOND THE RESPECTIVE WARRANTY PERIODS NOTED IN THE ABOVE TABLE.

OKI DATA SHALL NOT BE RESPONSIBLE OR LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSS ARISING FROM THE USE OF THIS PRODUCT.

## Okidata Authorized Service Providers: Latin America

For the most comprehensive, up-to-date listing of Okidata authorized Service Centers in Latin America:

- Consult our web site [www.okidata.com](http://www.okidata.com):
  - Select your country or region under “Select Country/Region.”
  - Click ASSISTÊNCIA E SUPORTE (Brazil) or Soporte (Mexico or Latin America).
- In Spanish-speaking countries, contact the Latin America Service Coordinator at Okidata’s Corporate Headquarters at +856-222-5276 (Spanish only).

### Okidata Contact Locations, Latin America:

Mexico	Brazil
Okidata de Mexico S.A. de C.V. Mariano Escobedo No. 748-8 Piso Col. Anzures, e.p. 11590 Mexico, DF Phone: 52-55-5263-8780 Fax: 52-55-5263-8785	Okidata do Brasil, Ltda. Chacara Santo Antonio Rua Alexandre Dumas, 2220 - 8º andar 04717-004 São Paulo, SP Brasil Phone: (5511) 3444-3500 Fax: (5511) 3444-3501 Support Center: 0800-11-55-77 e-mail: okidata@okidata.com.br

## Service and Support: Latin America

If you are having a problem with your OKI product, please contact any of the Authorized Service Centers shown for your Country/Region on our Web site, [www.okidata.com](http://www.okidata.com).

### Sales and Service Centers: Latin America

If you need service, please contact the store where you bought your OKI product or contact any of the Authorized Service Centers shown for your Country/Region on our Web site for information.

- Prices and charges may vary.
- A copy of the proof of purchase is required for the warranty process.

### Contacting Okidata: Latin America

Information regarding our products and authorized service centers is available in our Web site: [www.okidata.com](http://www.okidata.com)

### Customer Support Professionals: Latin America

Our customer support professionals are trained and certified on all current OKI products. Make sure that you are close to your printer when you call one of our OKI authorized service centers so that you can describe your problem more accurately.

Customer support professionals can answer your questions regarding:

- Location of nearest Authorized Service Center
- Installation of your machine
- Usage/normal maintenance of your machine
- Error message interpretation/solutions
- Parts and supplies identification
- Consumer relations

## Safety Information

Your printer has been carefully designed to give you years of safe, reliable performance. As with all electrical equipment, there are a few basic precautions you should take to avoid hurting yourself or damaging the printer:

- Carefully read all setup and operating instructions. Be sure to save all documents for future reference.
- Read and follow all warning and instruction labels on the printer.
- Place your printer on a firm, solid surface. If you put it on something unsteady, it might fall and be damaged.
- If you place it on a soft surface, such as a rug, sofa, or bed, the vents may be blocked, causing the printer to overheat.
- The printer must be installed near a power outlet which will remain easily accessible.
- Be certain that your power source matches the rating listed on the back of the printer. If you aren't sure, check with your dealer or with your local power company.
- Your printer has a grounded, 3-prong plug as a safety feature. It will only fit into a grounded outlet. If you can not plug it in, you probably have an older, non-grounded outlet. Contact an electrician to have it replaced with a grounded outlet. Do not use an adapter to defeat the grounding.
- To avoid damaging the power cord, do not put anything on it or place it where it will be walked on. If the cord becomes damaged or frayed, replace it immediately.
- If you're using an extension cord or power strip with the printer, make sure that the total of the amperes required by all the equipment on the extension is less than the extension's rating. Generally, the total ratings of all equipment plugged into any one power line should not exceed 15 amperes. Don't exceed this unless you know that the power line your equipment is plugged into has a rating above 15 amperes.
- Unplug the printer before you clean it. Use only a damp cloth. Do not use liquid or aerosol cleaners.
- To protect your printer from overheating, make sure no openings on the printer are blocked. Do not put the printer on or near a heat source, such as a radiator or heat register. If you put the printer in any kind of enclosure, make sure it is well ventilated.
- The printhead can get quite hot when it has been printing for a length of time. Do not touch the printhead until it has had a chance to cool off.
- Do not use your printer near water. Do not spill liquid of any kind into it.
- Do not poke anything into the ventilation slots on the printer. You could get a shock or cause a fire.
- Aside from the routine maintenance described in the User's Guide, don't try to service the printer yourself. Opening the cover may expose you to shocks or other hazards. Don't make any adjustments other than those outlined in the User's Guide. You might cause damage requiring extensive repair work.

- If anything happens that indicates that your printer is not working properly or has been damaged, unplug it immediately. Then, follow the procedures in "Service and Support" for having your printer serviced. These are some of the things to look for:
  - The power cord or plug is frayed or damaged.
  - Liquid has been spilled into the housing, or the printer has been exposed to water.
  - The printer has been dropped or its cabinet has been damaged.
  - The printer doesn't function normally when you're following the operating instructions.

# Material Safety Data Sheet #58356101

## 56115001 Print Cartridge (Black Toner)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** B8300 Cartridge, P/N 56115001 (Black Toner)

**Supplier Identification**

Oki Data Americas, Inc.

2000 Bishops Gate Blvd., Mount Laurel, NJ 08054-4620, USA

1-800-654-3282 (1-800-OKI-DATA)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance[ ]

Preparation[X]

Ingredient	CAS No.	Proportion	OSHA PEL	ACGIH TLV	MAK-TWA	NOHSC- TWA
Polyester resin	213077-22-6	80-90%	Not listed	Not listed	Not listed	Not listed
Carbon black	1333-86-4	< 5%	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	Not listed	3 mg/m <sup>3</sup>
Iron oxide	1309-38-2	< 3%	Not listed	Not listed	Not listed	Not listed
Metal Complex dye	109125-51-1 109125-50-0 84179-66-8 < 2%	< 2%	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>	Not listed	Not listed
Polypropylene	9003-07-0	< 2%	Not listed	Not listed	Not listed	Not listed

### 3. HAZARDS IDENTIFICATION

**Most Important Hazards and Effects of the Products**

**Human Health Effects**

There are no anticipated carcinogenic effects from exposure based on animal tests performed using toner. When used as intended according to instructions, studies do not indicate any symptoms of fibrosis will occur.

**Environmental Effects:** No data are available.

**Specific hazards:** Dust explosion (like most finely divided organic powders).

### 4. FIRST AID MEASURES

**Route(s) of Entry**

- Inhalation

- Ingestion (possible, but very unusual)

**First Aid Measures**

**Inhalation**

Remove to fresh air. If symptoms occur, consult medical personnel.

**Skin Contact**

Wash with soap and water for 15 minutes or until particle is removed. If irritation does occur, consult medical personnel.

**Eye Contact**

Flush eyes immediately with water for 15 minutes. If irritation does occur, consult medical personnel.

**Ingestion**

Rinse mouth with water and drink several glasses of water. If irritation or discomfort does occur, consult medical personnel.

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## 5. FIRE FIGHTING MEASURES

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**Extinguishing Media:** Water, CO<sub>2</sub>, foam and dry chemicals

**Special Fire fighting Procedures:** None

**Fire and Explosion Hazards:** Toner material, like most finely divided organic powders, may form an explosive mixture.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** None

**Environmental Precautions:** None

### Methods for Cleaning Up

Wipe off with paper or cloth. *Do not use vacuum cleaner when a large amount is released.* The toner, like most finely divided organic powders, is capable of creating a dust explosion.

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## 7. HANDLING AND STORAGE

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### Handling

**Technical Measures:** None

**Precautions:** None

### Safe Handling Advice

Use of a dust mask is recommended when handling a large quantity of toner or during long term exposure, as with any non-toxic dust. Try not to disperse the particles.

### Storage

**Technical Measures:** None

**Storage Conditions:** Keep container closed. Store in a cool and dry place. Keep out of the reach of children.

**Incompatible Products:** None

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Measures

**Ventilation:** Not required under intended use.

### Exposure limit values

**OSHA-PEL(USA):** 15 mg/m<sup>3</sup> Total Dust, 5 mg/m<sup>3</sup> Respirable Dust

**ACGIH-TLV(USA):** 10 mg/m<sup>3</sup> Total Dust, 3 mg/m<sup>3</sup> Respirable Dust

### Personal Protective Equipment

**Respiratory Protection:** Not required under intended use.

**Hand Protection:** Not required under intended use.

**Eye Protection:** Not required under intended use.

**Skin Protection:** Not required under intended use.

### Other Protective equipment

Use of a dust mask and goggles are recommended when handling a large quantity of toner or during long term exposure, as with any non-toxic dust.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### **Appearance**

**Physical State:** Solid

**Form:** Powder

**Color:** Black

**Odor:** Odorless

### **Chemical Properties**

**Ph:** Not applicable

**Boiling/Melting Point:** Not applicable

**Softening Point:** 100-130°C

**Flash Point:** Not applicable

**Ignition Point:** >350°C

**Explosion Properties:** No data

**Density(g/cm<sup>3</sup>):** 1.1 (bulk density = 0.4)

**Solubility in water:** Negligible

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable

**Hazardous Reactions:** Dust explosion, like most finely divided organic powders.

**Conditions to avoid:** Electric discharge, throwing into fire.

**Materials to avoid:** Oxidizing Materials

**Hazardous Decomposition Products:** CO, CO<sub>2</sub> and NO<sub>x</sub>

**Further Information:** None

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## 11. TOXICOLOGICAL INFORMATION

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### **Acute Toxicity**

**Ingestion (oral):** LD<sub>50</sub> > 2500 mg/kg (Rats)

**Inhalation:** LC<sub>50</sub> > 5.71 mg/L

**Eye irritation:** Not an irritant (rabbits)

**Skin irritation:** Not an irritant (rabbits)

**Skin sensitizer:** No sensitization

**Mutagenicity:** Negative (Ames Test)

### **Carcinogenicity**

In 1996 the IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats did not show any association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

### **Chronic Effect**

In a study in rats of chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m<sup>3</sup>) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4 mg/m<sup>3</sup>) exposure group, but no pulmonary change was reported in the lowest (1 mg/m<sup>3</sup>) exposure group, the most relevant level to potential human exposures.

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## 12. ECOLOGICAL INFORMATION

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No data are available.

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## 13. DISPOSAL CONSIDERATIONS

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### **Waste from residues**

Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental regulations.

### **Contaminated Packaging**

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

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## 14. TRANSPORT INFORMATION

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**UN Classification:** None

**Land, DOT(USA):** None

**Sea, IMDG:** None

**Air, ICAO-TI:** None

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## 15. REGULATORY INFORMATION

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### **US Information**

#### **TSCA(Toxic Substances Control Act)**

All chemical substances in this product comply with all applicable rules or order under TSCA.

#### **SARA (Superfund Amendments and Reauthorization Act) Title III=**

*302 Extreme Hazardous Substance:* None

*311/312 Hazard Classification:* None

### **EU Information**

#### **1999/45/EC and 67/548/EEC**

*Symbol & Indication:* Not required

*R-Phrase:* Not required

*76/769/EEC:* All chemical substances in this product comply with all applicable rules or order under 76/769/EEC.

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## 16. OTHER INFORMATION

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**NFPA Rating(USA):** Health=1 Flammability=1 Reactivity=0

**WHMIS Legislation (Canada):** This product is not a controlled product.

### **References**

IARC (1996) monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 65, "Printing Process And Printing Inks, Carbon Black and Some Nitro Compounds," Lyon, pp. 149-261

H.Muhle, B.Bellmann, O.Creutzenberg, C.Dasenbrock, H.Ernst, R.Kilpper, J.C.MacKenzie, P.Morrow, U.Mohr, S.Takenaka, and R.Mermelstein(1991) "Pulmonary Response to Toner upon Chronic Inhalation Exposure in Rats." *Fundamental and Applied Toxicology* 17, pp. 280-299.

**Date Issued:** September 1, 2002

# Material Safety Data Sheet #58356701

57100101 Developer

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** B8300 Developer, P/N 57100101

**Supplier Identification**

Oki Data Americas, Inc.

2000 Bishops Gate Blvd., Mount Laurel, NJ 08054-4620, USA

1-800-654-3282 (1-800-OKI-DATA)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance[ ]

Preparation[X]

Ingredient	CAS No.	Proportion	OSHA PEL	ACGIH TLV	MAK-TWA	NOHSC- TWA
Ferrite	68186-94-7	>90%	Not listed	Not listed	Not listed	Not listed
Polyester resin	213077-22-6	< 5%	Not listed	Not listed	Not listed	Not listed
Silicone resin	123127-08-2	< 3%	Not listed	Not listed	Not listed	Not listed
Carbon black	1333-86-4	< 1%	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	Not listed	3 mg/m <sup>3</sup>

## 3. HAZARDS IDENTIFICATION

**Most Important Hazards and Effects of the Products**

**Human Health Effects**

There are no anticipated carcinogenic effects from exposure based on animal tests performed using toner. When used as intended according to instructions, studies do not indicate any symptoms of fibrosis will occur.

**Environmental Effects:** No data are available.

**Specific hazards:** None

## 4. FIRST AID MEASURES

**Route(s) of Entry**

Inhalation, ingestion (possible, but very unusual).

**First Aid Measures**

**Inhalation**

Remove to fresh air. If symptoms occur, consult medical personnel.

**Skin Contact**

Wash with soap and water for 15 minutes or until particles are removed. If irritation occurs, consult medical personnel.

**Eye Contact**

Flush eyes immediately with water for 15 minutes. If irritation occurs, consult medical personnel.

**Ingestion**

Rinse mouth with water and drink several glasses of water. If irritation or discomfort occurs, consult medical personnel.

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## 5. FIRE FIGHTING MEASURES

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**Extinguishing Media:** Water, CO<sub>2</sub>, foam and dry chemicals

**Special Fire fighting Procedures:** None

**Fire and Explosion Hazards:** Like most finely divided organic powders, it may form an explosive mixture.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** None

**Environmental Precautions:** None

### Methods for Cleaning Up

Wipe off with paper or cloth. *Do not use vacuum cleaner when a large amount is released.* The developer, like most finely divided organic powders, is capable of creating a dust explosion.

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## 7. HANDLING AND STORAGE

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### Handling

**Technical Measures:** None

**Precautions:** None

### Safe Handling Advice

Use of a dust mask is recommended when handling a large quantity of developer or during long term exposure, as with any non-toxic dust. Try not to disperse the particles.

### Storage

**Technical Measures:** None

**Storage Conditions:** Keep container closed. Store in a cool and dry place. Keep out of the reach of children.

**Incompatible Products:** None

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Engineering Measures

**Ventilation:** Not required under intended use.

### Exposure limit values

**OSHA-PEL(USA):** 15 mg/m<sup>3</sup> Total Dust, 5 mg/m<sup>3</sup> Respirable Dust

**ACGIH-TLV(USA):** 10 mg/m<sup>3</sup> Total Dust, 3 mg/m<sup>3</sup> Respirable Dust

### Personal Protective Equipment

**Respiratory Protection:** Not required under intended use.

**Hand Protection:** Not required under intended use.

**Eye Protection:** Not required under intended use.

**Skin Protection:** Not required under intended use.

### Other Protective equipment

Use of a dust mask and goggles are recommended when handling a large quantity of developer or during long term exposure, as with any non-toxic dust.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### **Appearance**

**Physical State:** Solid

**Form:** Powder

**Color:** Black

**Odor:** Odorless

### **Chemical Properties**

**Ph:** Not applicable

**Boiling/Melting Point:** Not applicable

**Flash Point:** Not applicable

**Explosion Properties:** No data

**Density(g/cm<sup>3</sup>):** 6 (bulk density = 2.35)

**Solubility in water:** Negligible

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable

**Hazardous Reactions:** Dust explosion, like most finely divided organic powders.

**Conditions to avoid:** Electric discharge, throwing into fire.

**Materials to avoid:** Oxidizing materials

**Hazardous Decomposition Products:** CO, CO<sub>2</sub> and NO<sub>x</sub>

**Further Information:** None

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## 11. TOXICOLOGICAL INFORMATION

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### **Acute Toxicity**

**Ingestion (oral):** LD<sub>50</sub> > 2000mg/kg (Rats)—estimated from constituent components

**Inhalation:** LC<sub>50</sub> > 5.71mg/L

**Eye irritation:** Not an irritant (Rabbits)

**Skin irritation:** Not an irritant (Rabbits)

**Skin sensitizer:** No sensitization

**Mutagenicity:** Negative (Ames Test)

### **Carcinogenicity**

In 1996 the IARC reevaluated carbon black as a Group 2B carcinogen (possible human carcinogen). This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification is based upon the development of lung tumors in rats receiving chronic inhalation exposures to free carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats did not show any association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

### **Chronic Effect**

In a study in rats of chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m<sup>3</sup>) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4 mg/m<sup>3</sup>) exposure group, but no pulmonary change was reported in the lowest (1 mg/m<sup>3</sup>) exposure group, the most relevant level to potential human exposures.

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## 12. ECOLOGICAL INFORMATION

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No data are available.

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## 13. DISPOSAL CONSIDERATIONS

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### **Waste from residues**

Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental regulations.

### **Contaminated Packaging**

Waste may be disposed or incinerated under conditions which meet all federal, state and local environmental regulations.

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## 14. TRANSPORT INFORMATION

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**UN Classification:** None

**Land, DOT(USA):** None

**Sea, IMDG:** None

**Air, ICAO-TI:** None

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## 15. REGULATORY INFORMATION

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### **US Information**

#### **TSCA (Toxic Substances Control Act)**

All chemical substances in this product comply with all applicable rules or order under TSCA.

#### **SARA (Superfund Amendments and Reauthorization Act) Title III**

*302 Extreme Hazardous Substance:* None

*311/312 Hazard Classification:* None

### **EU Information**

#### **1999/45/EC and 67/548/EEC**

*Symbol & Indication:* Not required

*R-Phrase:* Not required

*76/769/EEC:* All chemical substances in this product comply with all applicable rules or order under 76/769/EEC.

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## 16. OTHER INFORMATION

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**NFPA Rating(USA):** Health=1 Flammability=1 Reactivity=0

**WHMIS Legislation (Canada):** This product is not a controlled product.

### **References**

IARC (1996) monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 65, "Printing Process And Printing Inks, Carbon Black and Some Nitro Compounds," Lyon, pp. 149-261

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**Date Issued:** September 1, 2002

## Regulatory Information

### ENERGY STAR®

As an ENERGY STAR Partner, Oki Data has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

### Year 2000 Compliance

This product is Year 2000 Compliant. It contains information technology that accurately processes date and time data between the years 1999 and 2000, and carries no issue for the September 9, 1999 (9999) programming concern. This product, when used in combination with products purchased from other manufacturers, whose products properly exchange data and time information, will accurately process the date and time.

### Federal Communications Commission (FCC) Declarations of Conformity

#### 1. Product Identification

Product Name: OKI B8300

Model No.: B8300

#### Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### 2. Responsible Party

Oki Data Americas, Inc.  
2000 Bishops Gate Boulevard  
Mt. Laurel, NJ 08054-4620

1-800-654-3282 (1-800-OKI-DATA)

## FCC Radio Frequency Interference Statement

**WARNING:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Plug the unit into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

**Note:** It is the responsibility of the user to obtain the required shielded cable in order to ensure compliance of this equipment with FCC regulations.

Changes or modifications not expressly approved by Oki Data may void your authority to operate this device.

## Industry Canada (IC) Radio Interference Statement

This Oki Data apparatus complies with the Class B limits for radio interference as specified in the IC Radio Interference Regulations.

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