

# Material Safety Data Sheet

#58376901

Print Cartridges: P/N 52116001 & 52116002

For more information, contact Oki Data at: 2000 Bishops Gate Boulevard, Mount Laurel, NJ 08054-4620.

*Emergency Information:* call 1-800-654-3282; US and Canada only.

## Emergency First Aid Procedures

### Toner inhaled.

Remove person to fresh air. Rinse mouth with water.

### Toner swallowed (ingested)

Rinse out mouth with water and give several glasses of water to drink. Seek medical attention.

### Toner gets in the eyes.

Flush eyes with large quantities of cool water for 15 minutes, keeping the eyelids open with fingers. Seek medical attention.

### Toner gets on the skin.

Wash toner off the skin with plenty of cool water and soap.

**Note:** Small amounts of toner on skin or clothing can easily be removed with soap and *cold* water. Hot water makes toner harder to remove.

## Hazardous Ingredients

### Polyester (40-50% by weight)

CAS#: Not available

OSHA PEL: Not available.

### Iron Oxide (40-50% by weight)

CAS#: 1309-38-2

OSHA PEL: Not available.

### Amorphous Silica (1-5% by weight)

CAS#: Not available

OSHA PEL: Not available.

### Ethylene/Propylene Copolymer (<5% by weight)

CAS#: Not available

OSHA PEL: Not available.

### Titanium Dioxide (<1% by weight)

CAS#: Not available

OSHA PEL: Not available.

## Physical Data

**Physical State:** Solid.

**Melting/Freezing Point:** Not available.

**Boiling Point:** Not applicable.

**PH:** Not available.

**Vapor Pressure:** Not applicable.

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

**Evaporation Rate (Butyl Acetate=1):** Not available.

**Specific Gravity (H<sub>2</sub>O=1):** Not available.

**Solubility in Water:** Negligible.

**Solubility in Solvents:** Not available.

**Coefficient of water/oil Distribution:** Not available.

**Appearance and Odor:** Black powder, faint odor.

**Odor Threshold:** Not available.

## Fire and Explosion Hazard Data

**Flash Point (Method Used):** Not applicable.

### Flammable Limits

**Lower Explosive Limit:** Not applicable.

**Upper Explosive Limit:** Not applicable.

**Auto-Ignition Temperature:** Not applicable.

### Explosion Data

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Extinguishing Media:** Water spray, foam, dry chemicals.

**Special Fire Fighting Procedures:** In case of fire, use extinguishing media. When mounted in the printer, treat as an electrical fire.

**Hazardous Combustion Products:** Not applicable

## Toxicological Properties

**Routes of Entry:** Inhalation, Ingestion, Eyes, Skin.

**Effects of Acute Exposure** (based on toxicity data for similar materials and ingredients):

**Swallowed LD<sub>50</sub> (rat):** > 5.0 g/kg

**Skin LD<sub>50</sub> (rabbit):** > 5.0 g/kg

**Inhaled LC<sub>50</sub> (rat):** > 5 mg/L/4hr

**Effects of Chronic Exposure:** (based on toxicity data for similar materials and ingredients):

The results obtained from a sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1 mg/m<sup>3</sup>) exposure level (i.e. the level most relevant to potential human exposure).

A very slight degree of fibrosis was noted in 25% of the animals at the middle (4 mg/m<sup>3</sup>) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m<sup>3</sup>) exposure level.

These findings are attributed to "lung overloading," a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available Oki toner, and would not be functionally suitable for Oki equipment.

### Exposure Limits:

**Total:** 10 mg/m<sup>3</sup>

**Respirable:** 3 mg/m<sup>3</sup>

**Irritancy:** Not an irritant

**Sensitization (skin, guinea pig):** Not a sensitizer.†

**Carcinogenicity:** Not classified as "Carcinogens"†

*IARC:* Refer to IARC Monographs on the Evaluation of Carcinogenic Risks to Humans (WHO International Agency for Research on cancer).

*NTP:* Refer to National Toxicology Program (NTP) Report on Carcinogens (NTP).

*OSHA:* Not available.

†Based on toxicity data for similar materials and ingredients.

**Reproductive Toxicity:** Not classified as "Reproductive and Development chemicals."

**Teratogenicity:** Not available.

**Mutagenicity (Ames Assay):** Negative.

**Name of Toxicologically Synergistic products:** Not available.

## Reactivity Data

**Stability:** Stable.

**Conditions to Avoid:** Not available.

**Polymerization:** Will not occur.

**Hazardous Decomposition or Byproducts:** Not available.

**Incompatibility:** Not available.

## Preventive Measures

### Personal Protective Equipment

**Respiratory Protection:** None required when used as intended in the printer. For large industrial spills, use dust respirator during cleanup.

**Protective Gloves and/or Eye Protection:** None required when used as intended in the printer. For large industrial spills, use rubber gloves and safety goggles during cleanup.

### Engineering Controls

**Ventilation:** None required when used as intended in the printer. For industrial use, local exhaust ventilation may be required.

**Other Protective Equipment and/or Hygienic Practices:** None.

### Spill Cleanup

#### Small Spills

1. Remove sources of ignition.
2. Carefully clean up the spill with a wet cloth, avoiding inhalation of fine dust.

#### Large Spills

1. Remove sources of ignition and keep unnecessary and unprotected personnel away from area.
2. Wear protective gear: respirator, rubber gloves, safety goggles.
3. Place waste material in a closed container.

### Waste Disposal

Follow appropriate federal, state and local regulations.

### Precautions

**Precautions for Handling or Storage:** Do not incinerate. Keep in a cool, dry, well-ventilated area. Keep out of reach of children.

**Other Precautions:** None.

### Shipping Information

**Special Shipping Information:** Transport in accordance with federal, state and local regulations.

## User's Responsibility

This bulletin cannot cover all possible situations which the user may experience when using this product. Each aspect of your operation must be examined in regard to if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

## Preparation Date of MSDS

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### Prepared by:

Oki Data Americas, Inc  
Engineering Services Department.  
2000 Bishops Gate Blvd.  
Mt. Laurel, NJ 08054-4620

Tel: (856) 235-2600

Fax: (856) 222-5320

<http://www.okiprintingsolutions.com>

[my.okidata.com](http://my.okidata.com)