

# Material Safety Data Sheet

MSDS #58352401

Toner, Black, P/N 52112901

for OKIFAX 5780/5980

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Current as of August 1, 2013

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For more information, contact Oki Data at:

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Mount Laurel, NJ 08054-4620

## Emergency Information

Call 1-800-654-3282 (1-800-OKI-DATA), U.S. and Canada only

In Latin America, call +856-235-2600

## Emergency First Aid Procedures

### Toner swallowed (ingested)

Dilute by giving two glasses of water and induce vomiting by administering Syrup of Ipecac (follow manufacturer's instructions). Seek medical attention. *NEVER give anything by mouth or attempt to induce vomiting in a person who is unconscious.*

### Toner inhaled

Remove person to fresh air. 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.



*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

### Styrene-Butyl Acrylate Copolymer (91% by weight)

CAS# 25767-47-9

OSHA TWA 15 mg/m<sup>3</sup> for total dust

ACGIH TLV 10 mg/m<sup>3</sup> for total dust

### Carbon Black (5-7% by weight)

CAS# 1333-86-4

OSHA TWA 3.5 mg/m<sup>3</sup>

ACGIH TLV 3.5 mg/m<sup>3</sup>

### Polypropylene (less than 3% by weight)

CAS# 9003-07-0

OSHA TWA 15 mg/m<sup>3</sup> for total dust

ACGIH TLV 10 mg/m<sup>3</sup> for total dust

### Amorphous Fumed Silica (less than 1% by weight)

CAS# 67762-90-7

OSHA PEL 15.0 mg/m<sup>3</sup> for total dust

ACGIH TLV 10.0 mg/m<sup>3</sup> for total dust

! This product is not regulated under Section 313 of

SARA, Title III.

## Physical Data

**Melting Point:** 110°C (230°F)

**Boiling Point:** Not applicable

**Vapor Pressure:** Not applicable

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

**Evaporation Rate (Butyl Acetate=1):** Not applicable

**Specific Gravity (H<sub>2</sub>O=1):** 1.15

**Solubility in water:** Negligible

**Appearance and odor:** Black granules, no odor

## Fire and Explosion Hazard Data

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

### Flammable Limits

**Lower Explosive Limit:** Not applicable

**Upper Explosive Limit:** Not applicable

**Extinguishing Media:** Water, CO<sub>2</sub>, Dry Chemical, or Foam

**Special Fire Fighting Procedures:** Do not use methods that may create a dust cloud, such as high pressure water and/or steam

### Unusual Fire and Explosion Hazards:

- Organic components decompose at 200-455°C (392-851°F).
- Material may explosively combust when finely suspended in air.
- Thermal decomposition of organic components may result in release of oxides of carbon and nitrogen.

## Health Hazards Data

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

### 1 Styrene-Butyl Acrylate Copolymer

Subcutaneous implantation of polymeric styrene powder in rats has induced tumors at the site of implantation.

### 2 Carbon black

(Group 2B "Possible Carcinogen"; IARC)

Overexposure to carbon black is associated with causing irritation, conjunctivitis, and corneal hypoplasia of the eyes; minor irritation and eczema of the skin; and irritation and bronchitis. Long-term inhalation exposure may be associated with causing lung cancer.

### 3 Polypropylene

(Group 3 "Not Classifiable"; IARC)

Subcutaneous implantation of polypropylene powder in rats has induced tumors at the site of implantation.

### 4 Amorphous Fumed Silica

(Group 3 "Not Classifiable"; IARC)

Overexposure to amorphous silica has been associated with causing irritation of the lungs and pneumoconiosis. Long-term inhalation exposure may be associated with producing tumors in laboratory animals.

## Reactivity Data

**Stability:** Stable

**Polymerization:** Will not occur.

**Hazardous Decomposition Products:** Thermal decomposition may result in release of oxides of carbon and nitrogen.

**Temperature:** Do not expose to temperatures above 200°C (392°F).

**Incompatibility:** Avoid exposure to strong oxidizers.

## Spill Cleanup and Disposal

### Spill Cleanup

#### Small Spills

- 1 Remove sources of ignition.
- 2 Clean up spill with wet cloth.

#### Large Spills

- 1 *Remove sources of ignition.*
- 2 *Wear protective gear: respirator, rubber gloves, goggles.*  
Refer to "Safe Handling and Use" in this MSDS.
- 3 *Clean up spill with scoop, being careful not to generate a lot of dust.*

### Waste Disposal

Follow appropriate federal, state and local regulations.

## Safe Handling and Use

**Respiratory Protection:** Not normally required. For large spills, use NIOSH-approved full face-piece respirator with HEPA cartridge during cleanup.

**Protective Gloves and/or Eye Protection:** Not normally required. For large spills, use rubber gloves and chemical worker's goggles during cleanup.

**Ventilation:** Outside of normal ventilation, not normally required.

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

## Special Precautions

**Precautions for Handling or Storage:** Protect from high heat. Avoid making dust.

**Other Precautions:** None

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