

# Material Safety Data Sheet

MSDS#58358601

## Product Identification and Use

B6100 Black Toner, P/Ns 521 13701 & 52113704

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

*Emergency Information:* Call 1-800-654-3282; US & Canada Only

## Hazardous Ingredients

**Styrene/acrylate copolymer (55-60% by weight)**

CAS#: Not available

**Iron oxide (35-40% by weight)**

CAS#: Not available

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

CAS#: Not available

**Amorphous silica (less than 1% by weight)**

CAS#: Not available

**Chromium/azo dye complex (less than 1% by weight)**

CAS#: 84179-66-8, 10-125-50-0, 109125-51-1

## 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

**Flammability:** Not flammable under conditions of use.

**Extinguishing Media:** In case of fire, use extinguishing media (water spray, foam, dry chemicals). When in a machine, treat as an electrical fire.

**Flash Point (OC):** Not applicable

**Lower Explosive Limit:** Not applicable

**Upper Explosive Limit:** Not applicable

**Auto-ignition Temperature:** Not applicable

**Hazardous Combustion Products:** Not applicable

## Explosion Data

Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

**Sensitivity to Mechanical Impact:** Not available

**Sensitivity to Static Discharge:** Not available

## Reactivity Data

**Stability:** Stable

**Conditions to Avoid:** Not available

**Polymerization:** Not available

**Hazardous Decomposition Products:** Not available

**Incompatibility:** Not available

## Toxicological Properties

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

**Effects of Acute Exposure:** Practically non-toxic

Swallowed LD<sub>50</sub> (rat): >5.0 g/kg<sup>1)</sup>

Skin LD<sub>50</sub> (rabbit): >2.0 g/kg<sup>1)</sup>

Inhaled LC<sub>50</sub> (rat): >5.0 mg/L/4hr<sup>1)</sup>

**Effects of Chronic Exposure:**

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.<sup>1)</sup>

**Exposure Limits:**

ACGIH TLV (2002):

10 mg/m<sup>3</sup> (Total)

3 mg/m<sup>3</sup> (Respirable)

**Irritancy:** Not an irritant<sup>1)</sup>

**Sensitization:** Not a sensitizer<sup>1)</sup>

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

*IARC:* No components are listed

*NTP:* No components are listed

*OSHA:* No components are listed

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

**Teratogenicity:** Not available

**Mutagenicity:** Ames Assay: Negative

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

<sup>1)</sup> This information is based on toxicity data for similar materials and ingredients.

## Preventive Measures

### Personal Protective Equipment

**Respiratory Protection:** Not normally required. For large spills, use dust respirator during cleanup.

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

### Engineering Controls

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

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

### Spill Cleanup

#### *Small Spills*

- 1 Remove sources of ignition.
- 2 Sweep up or soak up with a damp (cold water) cloth.

#### *Large Spills*

- 1 Remove sources of ignition.
- 2 Keep unnecessary and unprotected personnel away from area.
- 3 Wear protective gear: respirator, rubber gloves, goggles.
- 4 Vacuum the spill, then wipe up remainder with a wet (cold water) cloth.
- 5 Place waste material in a closed container.

### Waste Disposal

- Prevent release of material into natural waters and sewers.
- Follow appropriate federal, state and local regulations.
- DO NOT incinerate toner or a print cartridge.  
DO NOT disassemble a print cartridge.

**Precautions for Handling or Storage:** Protect from the sun. Store in a cool room, under 104°F (40°C).

**Special Shipping Information:** Non hazardous. Handle container carefully to avoid shock. Do not drop. Keep dry.

## Emergency First Aid Procedures

### Toner swallowed (ingested).

Immediately seek medical attention. Never give anything by mouth to an unconscious person. If possible, rinse out mouth and give one or two glasses of water or milk to drink.

### 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. If necessary, seek medical attention.

### Toner gets on the skin.

Wash toner off the skin with plenty of cool water and soap. If necessary, 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.*

## Preparation Date of MSDS

**Date:** September 14, 2012

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