

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 (H₂O=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 LD₅₀ (rat): >5.0 g/kg¹⁾

Skin LD₅₀ (rabbit): >2.0 g/kg¹⁾

Inhaled LC₅₀ (rat): >5.0 mg/L/4hr¹⁾

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/m³) 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/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m³) 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.¹⁾

Exposure Limits:

ACGIH TLV (2002):

10 mg/m³ (Total)

3 mg/m³ (Respirable)

Irritancy: Not an irritant¹⁾

Sensitization: Not a sensitizer¹⁾

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

¹⁾ 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

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Prepared by:

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