



Material Safety Data Sheet: B6100 Black Toner

Category:LED Page Printers

Posted:10/15/2002

Product(s):B6100, B6100n

Family:LED

MSDS Sheet # 58358601 For Black Toner, P/N 52113701

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

Emergency Information: call 1-800-OKIDATA; U.S. and Canada only

Hazardous Ingredients

Carbon Black (4% by weight)

CAS# Confidential

OSHA PEL: Not established

ACGIH TLV: Not established

LD₅₀: Not Available.

LC₅₀: Not Available.

Silica dioxide (about 2% by weight)

CAS# Confidential

OSHA PEL: Not established

ACGIH TLV: Not established

LD₅₀: Not Available.

LC₅₀: Not Available.

Physical Data

Physical State: Solid

Melting Point: Not available

Boiling Point: Not available

Vapor Pressure: Not available

Vapor Density (Air=1): Not available

Evaporation Rate (Butyl Acetate=1): Not available

Specific Gravity (H₂O=1): 1.1 to 1.2 at 20° C (68° F)

Solubility in water: Not available

Appearance and odor: Black fine powder, no odor

Odor Threshold: Not available

Fire and Explosion Hazard Data

Minimal fire hazard. Large quantities may cause risk of dust explosion.

Flash Point (Method Used): Not applicable

Flammable Limits

Lower Explosive Limit: Not Available

Upper Explosive Limit: Not Available

Auto-ignition Temperature: Not Available

Explosion Data

Sensitivity to Mechanical Impact: Not Available

Sensitivity to Static Discharge: Not Available

Extinguishing Media: In case of small fire, use CO₂. In case of large fire, shut off air by spraying with water or foam.

Special Fire Fighting Procedures: Fight fire from upwind position. Avoid inhalation of smoke or gases. Wear self-contained breathing apparatus.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, oxides of nitrogen.

Toxicological Properties

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

Effects of Acute Exposure: Not available.

Effects of Chronic Exposure: Not available.

Exposure Limits: Not available.

Irritancy: Not available

Sensitization: Not available.

Carcinogenicity

IARC

Silica Dioxide: Group 3, Not classifiable.

Carbon Black: Group 2B. "Possible Carcinogen."

NTP: No components are listed.

OSHA: No components are listed.

Reproductive Toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Name of Toxicologically Synergistic Products: Not available

Reactivity Data

Stability: Stable in general.

Conditions to Avoid: Avoid excess heat and all sources of ignition.

Polymerization: Will not occur.

Hazardous Decomposition Products: Combustion products include

harmful gases such as carbon monoxide and nitrogen oxides.

Incompatibility: Not available.

Spill Cleanup and Disposal

Spill Cleanup

Small Spills

1. Remove sources of ignition.
2. Carefully clean up spill with 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, goggles (see below)
3. Vacuum the spill, then wipe up remainder with a wet cloth.

Waste Disposal

- Prevent release of material into natural waters and sewers.
- Follow appropriate federal, state, and local regulations.
- Small amounts can be incinerated. *Careful! Combustion can create harmful gases such as carbon monoxide and nitrogen oxides.*
- Large amounts must be passed to a licensed waste contractor.

Safe Handling and Use

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.

Ventilation: Outside of normal ventilation, not normally required.

Other Protective Equipment and/or Hygienic Practices: None

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

Special Precautions

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

Other Precautions: None

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 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 of MSDS

Date: August 23, 2002

Prepared by:

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