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Material Safety Data Sheets

B4100/B4200/B4250/B4300/B4350 Black Toner

MSDS Sheet # 58356601 For Black Toner, Type 9, Part #'s 42102901 & 42103001

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

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.

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

Carbon Black (5-7% by weight)

CAS#: 1333-86-4

OSHA TWA: 3.5 mg/m

ACGIH TLV: 3.5 mg/m

Styrene (<50 ppm)

CAS#: 100-42-6

OSHA TWA: 50 ppm.

ACGIH TLV: 20 ppm.

Other Ingredients

Styrene Acrylate Copolymer (84%)

CAS#: 25767-47-9.

Fatty Acid Ester (5-10% by weight)

CAS#: 75587-84-7.

Additives (1-2%)

CAS#: Registered.

Physical Data**Physical State:** Solid.**Melting Point:** 110°C (230°F).**Boiling Point (Softening Point):** Not applicable.**pH:** Not available.**Vapor Pressure:** Not available.**Vapor Density (Air=1):** Not available.**Evaporation Rate (Butyl Acetate=1):** Not applicable**Specific Gravity (H₂O=1):** 1.15**Solubility in water:** Negligible.**Solubility in solvents:** Not available.**Coefficient of water/oil Distribution:** Not available.**Appearance and odor:** Black 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 available.**Flammable Limits****Lower Explosive Limit:** 60 gm².**Upper Explosive Limit:** Not available.**Auto Ignition Temperature:** Not available.**Explosion Limits****Sensitivity to Mechanical Impact:** Not available.**Sensitivity to Static Discharge:** Not available.**Extinguishing Media:** Dry chemicals, CO₂, water spray or foam.**Special Fire Fighting Procedures:** Do not use methods that may create a dust cloud, such as high pressure water and/or steam. Avoid inhalation of smoke or gases. Wear self-contained breathing apparatus.**Hazardous Combustion Products:** Oxides of carbon and nitrogen.**Toxicological Properties****Routes of Entry:** Inhalation, Ingestion, Eyes, Skin.**Effects of Acute Exposure:**

LD₅₀: >2000mg/kr (rat)

LD₅₀: >4.98 mg/l (rat)

Effects of Chronic Exposure: Not available.

Exposure Limits: Not available.

Irritancy:

Skin Irritation: no irritant (rabbit)

Eye Irritation: minimal irritant (rabbit)

Sensitization: Not available.

Carcinogenicity

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

NTP: No components are listed.

OSHA: Carbon black is designated hazardous according to OSHA 29 CFR 1910.1200.

Reproductive Toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Negative (Ames Test).

Name of Toxicologically Synergistic Products: Not available

Reactivity Data

Stability: Stable.

Conditions to Avoid: Avoid excess heat (over 200°C [392°F]) and all sources of ignition.

Polymerization: Will not occur.

Hazardous Decomposition or Byproducts: Combustion products include harmful gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.

Incompatibility: Avoid exposure to strong oxidizers or reducing agents.

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: Local Exhaust Recommended, Mechanical (General) Recommended.

Other Protective Equipment and/or Hygienic Practices: None.

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.

Special Precautions

Precautions for Handling or Storage: Keep out of reach of children. Protect from the sun. Store in a cool room, under 104°F (40°C). Use with adequate ventilation. Keep away from sparks and open flame. Keep away from oxidizing materials.

Other Precautions: None

Shipping Information

Special Shipping Information: This product is not regulated as hazardous materials by the DOT.

Preparation Date of MSDS

Date: June 1, 2006

Prepared by:

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Posted: 06/01/2006

Product(s): B4100, B4200, B4250, B4300, B4300n, B4350, B4350-Black, B4350n, B4350n-Black

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