

Material Safety Data Sheet

#58330401

Black Toner, Type 5: P/N 52109001

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

Emergency Information: call 1-800-654-3282; US 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 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.

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

Styrene-Butyl Acrylate Copolymer (91% by weight)

CAS#: 25767-47-9

OSHA PEL: 15 mg/m³ for total dust

ACGIH TLV: 10 mg/m³ for total dust

LD₅₀: Not available.

LC₅₀: Not available.

Carbon Black (5-7% by weight)

CAS#: 1333-86-4

OSHA PEL: 3.5 mg/m³

ACGIH TLV: 3.5 mg/m³

LD₅₀: Not available.

LC₅₀: Not available.

Paraffin Wax (less than 3% by weight)

CAS#: 8002-74-2

OSHA PEL: 2 mg/m³ for total dust

ACGIH TLV: 2 mg/m³ for total dust

LD₅₀: Not available.

LC₅₀: Not available.

Amorphous Fumed Silica (less than 1% by weight)

CAS#: 67762-90-7

OSHA PEL: 15 mg/m³ for total dust

ACGIH TLV: 10 mg/m³ for total dust

LD₅₀: Not available.

LC₅₀: Not available.

Note: This product is not regulated under Section 313 of SARA, Title III.

Physical Data

Physical State: Solid.

Melting/Freezing Point: 110°C (230°F).

Boiling Point: Not applicable.

PH: Not available.

Vapor Pressure: Not available.

Vapor Density (Air=1): Not available.

Evaporation Rate (Butyl Acetate=1): Not available.

Specific Gravity (H₂O=1): 1.15.

Solubility in Water: Negligible.

Solubility in Solvents: Some components are soluble in toluene, chloroform and tetrahydrofuran.

Coefficient of water/oil Distribution: Not available.

Appearance and Odor: Black granules, 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: Water, CO₂, 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.

Hazardous Combustion Products: Oxides of carbon and 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.

Sensitivity: Not available.

Carcinogenicity

IARC

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

Paraffin Wax: Group 3, "Not classifiable."

Amorphous Fumed Silica: Group 3, "Not classifiable."

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: Not available.

Name of Toxicologically Synergistic Products: Not available.

Reactivity Data

Stability: Stable in general.

Conditions to Avoid: Do not expose to temperatures above 200°C (392°F). Avoid all sources of ignition.

Polymerization: Will not occur.

Hazardous Decomposition or Byproducts: Thermal decomposition may result in release of oxides of carbon and nitrogen.

Incompatibility: Avoid exposure to strong oxidizers.

Preventive Measures

Personal Protective Equipment

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.

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. Carefully clean up the spill with a 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, safety goggles.
3. Clean up spill with scoop, *being careful not to generate a lot of dust.*

Waste Disposal

- Prevent release of material into natural waters and sewers.
- Follow appropriate federal, state and local regulations.

Precautions

Precautions for Handling or Storage: Protect from high heat. Avoid making dust. Keep out of reach of children.

Other Precautions: None.

Shipping Information

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

User's Responsibility

This bulletin cannot cover all possible situations which the user may experience when using this product. Each aspect of your operation must be examined in regard to if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin must be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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Date: March 21, 2006.

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