

Material Safety Data Sheet

#58395401

Black Toner: P/N 56123401, 56123402

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 inhaled.

Gargle with water. Remove person to fresh air immediately. If symptoms occur, seek medical attention.

Toner swallowed (ingested)

Dilute stomach contents with several glasses of water. If symptoms occur, seek medical attention.

Toner gets in the eyes.

Immediately flush eyes with large quantities of cool water for 15 minutes, keeping the eyelids open with fingers. If symptoms occur, seek medical attention.

Toner gets on the skin.

Wash toner off the skin with plenty of cool water and soap.

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% by weight): Group 2B

Possible Carcinogen

CAS#: 1333-86-4.

OSHA PEL: Not available.

ACGIH TLV: Not available.

Other Ingredients

Polyester Resin (30-70% by weight)

CAS#: 117581-13-2.

OSHA PEL: Not available.

ACGIH TLV: Not available.

Magentite (<30% by weight)

CAS#: 1309-38-2.

OSHA PEL: Not available.

ACGIH TLV: Not available.

Styrene-acrylic Resin (<20% by weight)

CAS#: 25036-19-5.

OSHA PEL: Not available.

ACGIH TLV: Not available.

Wax (<5% by weight)

CAS#: 8015-86-9.

OSHA PEL: Not available.

ACGIH TLV: Not available.

Silica (<5% by weight)

CAS#: 7631-86-9.

OSHA PEL: 15 mg/m³

ACGIH TLV: 10 mg/m³

Chromium II Compounds (<1% by weight)

CAS#: 31714-55-3.

OSHA PEL: Not available.

ACGIH TLV: Not available.

Physical Data

Physical State: Solid.

Melting/Freezing Point: Not available.

Boiling Point: Not applicable.

PH: Not applicable.

Vapor Pressure: Not applicable.

Vapor Density (Air=1): Not applicable.

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

Specific Gravity (H₂O=1): 1.45 at 25°C (77°F).

Solubility in Water: Insoluble in water.

Solubility in Solvents: Not available.

Coefficient of water/oil Distribution: Not known.

Appearance and Odor: Black powder, slightly sour 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: 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: CO₂, water, foam and dry chemical.

Special Fire Fighting Procedures: No special fire protecting method is required.

Hazardous Combustion Products: None.

Toxicological Properties

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

Effects of Acute Exposure

LD₅₀: Ingestion (oral) = >5000 mg/kg [Rat].

LD₅₀: Dermal = Not applicable.

LC₅₀: Not applicable.

Effects of Chronic Exposure

In 1996 IARC reevaluated Carbon Black as a Group 2B carcinogen (possible human carcinogen). This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the development of lung tumors in rats receiving chronic inhalation exposure to free carbon black at levels that induce particle overload of the lung. Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, 2-years cancer bioassay using a typical toner preparation containing carbon black did not

demonstrate a association between toner exposure and tumor development in rats.

Exposure Limits: Not available.

Irritancy

Eye Irritation: Not available.

Skin Irritant: Non Irritant (PII = 0.0)

Sensitivity, Acute Allergenic Effects: Non skin sensitive (did not produce evidence of skin sensitization).

Carcinogenicity

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

NTP: Not available.

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 under normal use.

Conditions to Avoid: Not applicable in normal use.

Polymerization: None.

Hazardous Decomposition or Byproducts: Will not occur.

Incompatibility: None under normal use.

Preventive Measures

Personal Protective Equipment

Respiratory Protection: Not required in normal use.

Do not handle where wind blows. Minimize breathing dust.

Protective Gloves and/or Eye Protection: Not required in normal use. Flying powder may enter eyes.

Engineering Controls

Ventilation: None required under normal use.

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. Vacuum the spill using a vacuum equipped with a HEPA filter, then wipe up remainder with a wet cloth. Vacuum should be electrically bonded and grounded to dispel electricity.
4. Remove residue with soap and cool water.

Waste Disposal

Follow appropriate federal, state and local regulations. Do not incinerate.

Precautions

Precautions for Handling or Storage:

Keep container closed.

Do not handle in areas where wind blows.

Flying powder may enter eyes.

Minimize breathing dust.

Avoid direct sunlight.

Store at temperature below 35°C (95°F).

Keep out of reach of children.

Other Precautions: None.

Shipping Information

Special Shipping Information: Avoid direct sunlight.

Do not keep at temperatures above 35°C (95°F).

UN Classification: Not applicable.

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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