

Material Safety Data Sheet (MSDS)

#58371301 for Type C7 Black Toner, P/N 200-100225

For more information, contact XANTÉ at: 2800 Dauphin Street, Suite 100, Mobile, AL 36606-2400, USA. 1-800-926-8393. <http://www.xante.com>

Emergency Information: call Chem-Tel at (800)-255-3924 or (813)-248-0585.

Emergency First Aid Procedures

Toner Swallowed (Ingested)

If possible, rinse out mouth and give several glasses of water to drink. Never give anything by mouth to an unconscious person. If symptoms persist, seek medical attention.

Toner Inhaled.

Remove person to fresh air. If necessary, 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.

Ingredients

Carbon Black (3-10%):

IARC Group 2B "Possible Carcinogen."

CAS# 1333-86-4.

OSHA PEL: 3.5 mg/m³.

ACGIH TLV: 3.5 mg/m³.

LD50: Not available.

LC50: Not available.

Styrene Acrylate Copolymer 80-95%)

CAS# Confidential.

OSHA PEL: Not listed.

ACGIH TLV Not listed.

LD50: Not Available.

LC50: Not Available.

Wax (5-15%)

CAS# Confidential.

OSHA PEL: Not listed.

ACGIH TLV Not listed.

LD50: Not Available.

LC50: Not Available.

Silica (1-3%)

CAS# Confidential.

OSHA PEL: Not listed.

ACGIH TLV: 10 mg/m³.

LD50: Not Available.

LC50: Not Available.

Physical Data

Physical State: Solid.

Melting/Freezing Point: Not available.

Boiling Point: Not available.

pH: Not available.

Vapor Pressure: Not available.

Vapor Density (Air=1): Not available.

Evaporation Rate (Butyl Acetate=1):

Specific Gravity (H₂O=1): About 1.2 at 20°C (68°F).

Solubility in Water: Negligible.

Solubility in Solvents: Partially soluble in toluene and tetrahydrofuran.

Coefficient of water/oil Distribution: Not available.

Appearance and Odor: Black powder, slight plastic odor.

Odor Threshold: Not available.

Percent Volatile: 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 applicable.

Upper Explosive Limit: Not applicable.

Auto-Ignition Temperature: Not applicable.

Explosion Data

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Extinguishing Media: Water, foam, or dry chemical.

Special Fire Fighting Procedures: Fight fire from upwind position. Avoid inhalation of smoke or gases. Wear self-contained breathing apparatus. Cool the container with water spray.

Hazardous Combustion Products: Carbon monoxide. Also produces carbon dioxide.

Toxicological Properties

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

Effects of Acute Exposure: Not available.

Effects of Chronic Exposure: Not available.

In a study in rats of chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group. A minimal to mild degree of lung fibrosis was observed in 22% of the rats in the middle (4 mg/m³) exposure group. No pulmonary change was reported in the lowest (1 mg/m³) exposure group, the most relevant level to potential human exposures.

Exposure Limits (ACGIH TLV):**Inhalable Particulates:** 10 mg/m³**Respirable Particulates:** 3 mg/m³**Irritancy:** Not available.**Sensitivity:** Not available.**Carcinogenicity***IARC*

Carbon Black: Group 2B "Possible Carcinogen." This classification is given to chemicals for which there is inadequate human evidence, but sufficient animal evidence on which to base an opinion of carcinogenicity. The classification 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 did not show any association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

NTP: No components are listed.*OSHA:* Carbon black is designated hazardous according to OSHA 29 CFR 910.1200.**Reproductive Toxicity:** Not available.**Teratogenicity:** Not available.**Mutagenicity:** Not available.**Names of Toxicologically Synergistic Products:** Not available.**Reactivity Data****Stability:** Stable in general.**Materials to Avoid:** None.**Polymerization:** Will not occur.**Hazardous Decomposition or Byproducts:** Combustion products include carbon monoxide and carbon dioxide.**Incompatibility:** Avoid exposure to strong oxidizers.**Preventive Measures****Personal Protective Equipment****Respiratory Protection:** Not normally required. For large spills, use dust respirator mask during cleanup.**Protective Gloves and/or Eye Protection:** Not normally required. For large spills, use leather 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. 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: dust respirator mask, leather gloves, safety goggles.
3. Vacuum or sweep the material into a bag or other sealed container, 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.

- Large amounts must be passed to a licensed waste contractor.

Precautions

Precautions for Handling: Keep out of reach of children. Avoid inhalation of dust and contact with eyes. Keep away from excessive heat, sparks and open flames.

Precautions for Storage: Keep out of reach of children. Keep container closed. Store at room temperature. Keep away from strong oxidizers.

Other Precautions: None.

Shipping Information

Special Shipping Information: Non hazardous.

UN Number: None.

Hazards Class: None.

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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