

OKi

## Material Safety Data Sheet

# 58395501

Yellow Toner: P/N 44250709 44250713

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.

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### Emergency First Aid Procedures

#### Toner inhaled.

Remove person to fresh air. Seek medical attention.

#### 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 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

No hazardous ingredients present.

#### Other Major Ingredients (non-hazardous):

##### Styrene Acrylic Resin (75-85% by weight)

CAS#: Trade Secret.  
OSHA TWA: Trade Secret.  
ACGIH TLV: Trade Secret.

##### Wax (10-20% by weight)

CAS#: Trade Secret.  
OSHA TWA: Trade Secret.  
ACGIH TLV: Trade Secret.

##### Organic Pigment (1-10% by weight)

CAS#: 147-14-8  
OSHA TWA: Trade Secret.  
ACGIH TLV: Trade Secret.

##### Amorphous Silica (1-10% by weight)

CAS#: 7631-86-9  
OSHA TWA: Trade Secret.  
ACGIH TLV: Trade Secret.

##### Titanium Dioxide (<1% by weight)

CAS#: 13463-67-7  
OSHA TWA: Trade Secret.  
ACGIH TLV: Trade Secret.

### Physical Data

**Physical State:** Solid.

**Melting/Freezing Point:** Around 125°C (275°F) (Softening Point).

**Boiling Point:** Not available.

**PH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density (Air=1):** Not available.

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

**Specific Gravity (H<sub>2</sub>O=1):** 1.2

**Solubility in Water:** Insoluble in water.

**Solubility in Solvents:** Not available.

**Coefficient of water/oil Distribution:** Not available.

**Appearance and Odor:** Yellow powder, almost odorless.

**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 CO<sub>2</sub>. 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:** Not available.

### Toxicological Properties

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

#### Effects of Acute Exposure:

**Ingestion:** LD<sub>50</sub> : >2,500 (Rat)

**Dermal:** LD<sub>50</sub> : Not available.

**Inhalation:** LC<sub>50</sub> : >5.57 (Rat, 4 hour)

**Eye Irritation:** Minimal Irritant (Rabbit)

**Skin Irritation:** Non-Irritant (Rabbit)

**Exposure Limits:** Not available.

**Irritancy:** Not available.

**Sensitivity:** Non sensitizer (Guinea pig)

**Effects of Chronic Exposure:** Prolonged inhalation of excessive dust may cause lung damage. It is attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. Use of this product, as intended, does not result in inhalation of excessive dust. In a study in rats by chronic

inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of rats in the high concentration (16 mg/m<sup>3</sup>) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4 mg/m<sup>3</sup>) exposure group. But no pulmonary change was reported in the lowest (1 mg/m<sup>3</sup>) exposure group, the most relevant level to potential human exposures.

#### **Carcinogenicity**

*IARC:* No components are listed.

*NTP:* No components are listed.

*OSHA:* No components are listed.

**Reproductive Toxicity:** Not available.

**Teratogenicity:** Not available.

**Mutagenicity:** Negative (AMES test)

**Name of Toxicologically Synergistic Products:** Not available.

#### **Reactivity Data**

**Stability:** Stable except above 200°C (392°F).

**Conditions to Avoid:** Electric discharge, throwing into fire.

**Polymerization:** Will not occur.

**Hazardous Decomposition or Byproducts:** CO, CO<sub>2</sub>, NO<sub>x</sub> and smoke.

**Incompatibility:** Not available.

#### **Preventive Measures**

##### **Personal Protective Equipment**

**Respiratory Protection:** Not normally required. For large spills, use dust respirator and goggles 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:** 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. Vacuum the spill, then wipe up remainder with a wet cloth.

##### **Waste Disposal**

- Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air (HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid

dust generation, do not sweep dry.

- Follow appropriate federal, state, and local regulations.

#### **Precautions**

**Precautions for Handling or Storage:** Do not breathe dust. Avoid contact with eyes.

**Other Precautions:** None.

#### **Shipping Information**

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

**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.

#### **Preparation Date of MSDS**

**Date:** October 1, 2009.

##### **Prepared by:**

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