Material Safety Data Sheet:

OL1200 & OL1200/PS & OKIPAGE 16n Toner

MATERIAL SAFETY DATA SHEET for OL1200 Series / OKIPAGE 16n Toner, P/N 52109201 - MSDS # 58317801

For more information, contact Okidata at:

2000 Bishops Gate Blvd.
Mount Laurel, New Jersey 08054-4620

Emergency Information: 1-800-OKIDATA

EMERGENCY FIRST AID PROCEDURES

EmergencyProcedure
Toner swallowed
(ingested)Dilute by giving two glasses of water and induce vomiting by administering Syrup of Ipecac (follow manufacturers instructions). Seek medical attention.

NEVER give anything by mouth or attempt to induce vomiting in a person who is unconscious.
Toner inhaledRemove person to fresh air.
Seek medical attention.
Toner gets in the eyesFlush eyes with large quantities of cool water for 15 minutes, keeping the eyelids open with fingers. 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 TWA 15 mg/m3 for total dust
ACGIH TLV 10 mg/m3 for total dust

Carbon Black (5-7% by weight)
CAS# 1333-86-4
OSHA TWA 3.5 mg/m3
ACGIH TLV 3.5 mg/m3

Polypropylene (less than 3% by weight)
CAS# 9003-07-0
OSHA TWA 15 mg/m3 for total dust
ACGIH TLV 10 mg/m3 for total dust

Amorphous Fumed Silica (less than 1% by weight)
CAS# 67762-90-7
OSHA PEL 15.0 mg/m3 for total dust
ACGIH TLV 10.0 mg/m3 for total dust

SARA Hazard

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

Physical Data

Melting Point: 110°C (230°F)

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Evaporation Rate (Butyl Acetate=1): Not applicable

Specific Gravity (H2O=1): 1.15

Solubility in water: Negligible

Appearance and odor: Black granules, no odor

Fire and Explosion Hazard Data

Flash Point (Method Used): Not applicable

Flammable Limits

Lower Explosive Limit: Not applicable

Upper Explosive Limit: Not applicable

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

Unusual Fire and Explosion Hazards:

Organic components decompose at 200-455°C (392-851°F).
Material may explosively combust when finely suspended in air.
Thermal decomposition of organic components may result in release of oxides of carbon and nitrogen.

Health Hazard Data

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

Health Hazards:

1. Styrene-Butyl Acrylate Copolymer
Subcutaneous implantation of polymeric styrene powder in rats has induced tumors at the site of implantation.

2. Carbon black
Group 2B "Possible Carcinogen"; IARC
Overexposure to carbon black is associated with causing irritation, conjunctivitis, and corneal hypoplasia of the eyes; minor irritation and eczema of the skin; and irritation and bronchitis. Long-term inhalation exposure may be associated with causing lung cancer.

3. Polypropylene
(Group 3 "Not Classifiable"; IARC)
Subcutaneous implantation of polypropylene powder in rats has induced tumors at the site of implantation.

4. Amorphous Fumed Silica
(Group 3 "Not Classifiable"; IARC)
Overexposure to amorphous silica has been associated with causing irritation of the lungs and pneumoconiosis. Long-term inhalation exposure may be associated with producing tumors in laboratory animals.

Reactivity Data

Stability: Stable

Polymerization: Will not occur.

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

Temperature: Do not expose to temperatures above 200°C (392°F).

Incompatibility: Avoid exposure to strong oxidizers.

Spill Cleanup and Disposal

Spill Cleanup

Small Spills
  Remove sources of ignition.
  Clean up spill with wet cloth.

Large Spills
  Remove sources of ignition.
  Wear protective gear: respirator, rubber gloves, goggles (see below)
  Clean up spill with scoop, being careful not to generate a lot of dust.

Waste Disposal: Follow appropriate federal, state and local regulations.

Safe Handling and Use

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 workers goggles during cleanup.

Ventilation: Outside of normal ventilation, not normally required.

Other Protective Equipment and/or Hygienic Practices: None

Special Precautions

Precautions for Handling or Storage: Protect from high heat. Avoid making dust.

Other Precautions: None

Posted:01/01/1998

Product(s):OKIPAGE16n, OL1200, OL1200-PS