



Material Safety Data Sheet

560, 740, 750 Toner Cartridges

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Section 1: Chemical Product and Company Information

Manufacturer:

Media Sciences, Incorporated
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Product Name:

Black Toner Cartridge
Cyan Toner Cartridge
Yellow Toner Cartridge
Magenta Toner Cartridge

Part Number:

MS560-740K; MS750K
MS560-740C; MS750C
MS560-740Y; MS750Y
MS560-740M; MS750M

Section 2: Product Use

Toner Cartridges for Laser Color Printer Models: Xerox®-Tektronix® Phaser® 560, 740, 750.

Section 3: Chemical Composition

Mixture of: Polyester Resin, Polybutylene Terephthalate, Amorphous Silica, Polyethylene Terephthalate, Polypropylene, Polystyrene, Polyphenylene Oxide, Polymethyl Methacrylate, Acrylonitril-Butadiene-Styrene, and Polyoxymethylene. Exact formula withheld as trade secret.

Section 4: Hazards Identification and First Aid Measures

Potential Health Effects:

In general, hazardous exposure is eliminated if the following precautions are routinely complied with:

- Dust Inhalation:** Toners incorporated in this product have been proven to indicate low acute toxicity levels and long-term exposure has shown no adverse chronic effects. However, the manufacturer recommends that in cases of toner inhalation, the subject should immediately move to a fresh air environment and, if discomfort is not alleviated, the individual should seek professional medical assistance.
- Eye Contact:** Short-term exposure may result in irritation. If toner comes in direct contact, wash persistently with fresh water for a minimum of 10 minutes. No adverse chronic effects due to long-term exposure are known.
- Skin Contact:** This and other toners of this type have been comprehensively tested and all results show a low acute dermal toxicity. After contact, wash thoroughly with soap and water. In rare instances, long term repetitive contact exposure to this toner may result in mild skin irritation.
- Ingestion:** Testing on this type of toner has shown low acute oral toxicity (>10g/kg). However, it is recommended when known ingestion has taken place to drink large volumes of fresh water.
- Carcinogenic Properties:** Unless stated below, the ingredients incorporated in this product are not listed in any of the following categories: OSHA; NTP; IARC.

Section 5: Combustion

- a. To avoid combustion, keep product away from sources of direct heat and ignition.
- b. If fire should result, combustion may result in the emission of toxic products such as Carbon oxides, Silicon oxides and undeclared organic compounds.
- c. Suitable extinguishing media include Water Spray, Carbon dioxide (CO₂), Dry Powder and Foams. Never use solid stream products.
- d. The following flammability data are unknown:
 - Flammability limits (in terms of percentage): LEL and UEL
 - Flash point: not applicable but undetermined
 - Auto ignition

Section 6: Result of Product Damage

- a. If toner spillage should result from container breakage, remove all sources of ignition from the immediate area.
- b. Care should be taken to avoid additional dust generation during cleaning. When possible utilize vacuum rather than brush type collecting devices.
- c. Do not use metal containers for collection and ensure containers are closed for storage and disposal.

Section 7: Handling and Storage

- a. Avoid storage under high temperature.
- b. Avoid contact with children.
- c. Ensure prevention of static discharge.
- d. Ensure sealed containers are kept in a well ventilated environment.

Section 8: Exposure Limitations

- a. Total dust population not to exceed 15mg/m³.
- b. Respiratory dust not to exceed 5 mg/m³.
- c. No respiratory protection other than adequate room ventilation is required.
- d. No special clothing necessary.

Section 9: Chemical and Physical Properties

- a. Contains fine CMYK powder with the following properties:
- Faint to apparently odorless None
 - Physical state change points:
 - Softening point onset 107-117 deg. C
 - Melting point approx. 112 deg. C
 - Flash point Not known
 - Non pressurized Not Applicable.
 - Vapor density (Air=1) Not Applicable.
 - Boiling point Not Applicable.
 - pH value Not Applicable.
 - Powder bulk density > 0.35 g/cm³
 - Evaporation rate Not Applicable.
 - Water solubility Insoluble
 - Viscosity / Specific Gravity (H₂O=1) 1.2
 - Volatility (%) Below 0.3%
- b. Contains engineering plastics with the following mean properties:
- Faint to apparently odorless.
 - Physical state change points:
 - Softening point onset No data available.
 - Melting point >217 Deg. C
 - Flash point Not Applicable.
 - Non pressurized Not Applicable.
 - Vapor density Not Applicable.
 - Boiling point No data available.
 - pH value No data available.
 - Powder bulk density Not Applicable.
 - Evaporation rate Not Applicable.
 - Water solubility Negligible.
 - Viscosity / Specific Gravity (H₂O=1) 1.2-1.55
 - Volatility (%) No data available.

Section 10: Stability and Reactivity

This product is deemed stable with no adverse conditions to be avoided. Hazardous (typically thermal) decomposition will result in the creation of the following:

- Carbon dioxide, Carbon monoxide and unidentified organics.
- Decomposition temperature is at 275 Co.

Section 11: Environmental Status

- The following properties are not available and/or not disclosed:
 - Environmental impact rating Not declared at time of publishing
 - Aquatic toxicity Unknown
 - Degradability No data available
 - Bioconcentration factor (BCF) No data available
 - Water partition co-efficient (Octanol) No data available
- Mobility
- Air No data available
 - Water No data available
 - Land No data available

Section 12: Disposal Considerations

This product must be disposed of according to local authority regulations. It is not declared hazardous according to U.S. Federal Regulations. It should not be disposed of as general public refuse.

Section 13: Transportation Information

This product is not declared dangerous nor hazardous product.

Section 14: Regulatory Information

According to E.C. regulations, this product does not require specific labeling. However, certain U.S. state regulations and stipulations may apply. This data is not listed here. For further information, please contact your supplier.

Section 15: Disclaimer

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