



Material Safety Data Sheet

780 Cyan, Magenta, Yellow Toner Cartridges

Date prepared: 2.4.05

Section 1: Chemical Product and Company Information

Manufacturer:

Media Sciences, Incorporated
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Product Name:

Cyan Toner Cartridge
Magenta Toner Cartridge
Yellow Toner Cartridge

Part Number:

MS780C
MS780M
MS780Y

Section 2: Product Use

Toner Cartridges for Laser Color Printer Models: Tektronix® Xerox® Phaser® 780.

Section 3: Chemical Composition

Polyester

Ferrite

Organic Pigment

Amorphous Silica

Acrylonitrile Butadiene Styrene

Polymethyl Methacrylate

Polyethylene Terephthalate

All percentage compositions undeclared

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:

- a. 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.
- b. 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.
- c. 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.
- d. 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.
- e. Ingestion: Oral toxicity is believed to be low. However it is recommended when known ingestion has taken place to drink plenty of fresh water.

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. For a small spill, sweep up or soak up with damp cloth. Do not use vacuum unless the motor is rated as dust tight. For large spills, wear proper protective equipment and place waste material in closed container.
- b. Do not use metal containers for collection and ensure containers are closed for storage and disposal.
- c. Dispose in accordance with federal, state and local regulations.

Section 7: Accidental Release Measures

- 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 cool, well-ventilated environment and away from flames and spark-producing equipment.

Section 8: Exposure Limitations

- a. Total dust population not to exceed 15mg/m³.
- b. Respiratory dust not to exceed 5 mg/m³.
- c. For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved respirator.
- d. No special clothing necessary.

Section 9: Chemical and Physical Properties

- a. Contains fine CMY powder with the following properties:
- Faint to apparently odorless None
 - Physical state change points:
 - Softening point onset No data available.
 - Melting point No data available.
 - Flash point No data available.
 - Non pressurized Not Applicable.
 - Vapor density (Air=1) Not Applicable.
 - Boiling point Not Applicable.
 - pH value Not Applicable.
 - Powder bulk density No data available.
 - Evaporation rate Not Applicable.
 - Water solubility Negligible
 - Viscosity / Specific Gravity (H2O=1) 1.3 - 1.4.
 - Volatility (%) Not applicable.
- 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:

- CO or NOx and unidentified organics.

Hazardous polymerization: will not occur.

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 country and local environmental control regulations. 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

TSCA: All chemical substances in this product comply with all applicable rules or orders under TSCA.

- Polyester: TSCA Accession No. 155501
- Ferrite: SARA Title III Section 313 (Copper compounds, Zinc compounds)
- E.U.: None

Section 15: Disclaimer

This is the current status as known by Media Sciences at the time of manufacture / printing - external references where quoted are available upon request. This is believed to be accurate but no warranty with respect to accuracy or completion is implied or intended. Interpretation of the above supplied information is left solely to the final user.

Prepared by Media Sciences, Inc.