

Xerox MATERIAL SAFETY DATA SHEET

Manufacturer: Xerox Corporation, P. O. Box 1000, Wilsonville, Oregon 97070

Preparation Date: June 16, 2000

SECTION 1- PRODUCT IDENTIFICATION

<u>Trade Names</u>	<u>Tektronix Part No.</u>
Black Toner Cartridge	016-1678-00
Cyan Toner Cartridge	016-1679-00
Magenta Toner Cartridge	016-1680-00
Yellow Toner Cartridge	016-1681-00

Product Use: Tektronix Phaser[®] 780 color printers

SECTION 2 - INFORMATION ON INGREDIENTS

Toners are a proprietary blend of resins and pigments, encased in a cartridge.

SECTION 3 - HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE: Toner powders are encased in a cartridge and are not accessible, unless cartridge is forcibly broken.

POTENTIAL HEALTH EFFECTS: Health effects from this product are expected to be negligible, when product is used as intended.

Immediate Effects:

Inhalation: Minimal irritation to respiratory tract

Skin: Non-irritant and non-sensitizer for skin.

Eye: Non-irritating to eyes.

Ingestion: Not an expected route of exposure.

Chronic Effects: None known or expected.

SIGNS AND SYMPTOMS OF EXPOSURE

Minimal irritation to respiratory tract, as for any non-toxic dust

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None when used as intended

SECTION 4 - FIRST AID MEASURES

Inhalation: Unlikely route of exposure. In the event of exposure, remove person to fresh air. Seek medical attention if symptoms occur.

Eyes: If particles get into eye, flush thoroughly with water. Seek medical attention if symptoms occur.

Skin: Wash thoroughly with soap and water. Seek medical attention if symptoms of irritation occur.

Ingestion: Dilute stomach contents by drinking several glasses of milk or water. Seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point: Not applicable.

Fire & Explosion Hazards: These toners will burn. No unusual hazards are expected. As for most organic powders, explosive mixtures can form when powder is dispersed in air.

Extinguishing media: Use CO₂, dry chemical, foam, or water. Avoid inhalation of smoke. As for any fire, wear protective clothing and self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill or Leak: Toners are encased in a cartridge. However, in case of breakage, toner powders may be cleaned up with a broom or vacuum and placed in a convenient waste disposal container. Clean up residue if necessary with soap and water.

SECTION 7 - HANDLING AND STORAGE

Handling: No special requirements

Storage: No special requirements.

SECTION 8 - EXPOSURE CONTROL - PERSONAL PROTECTION

No special protection indicated when used as intended.

TLV/PEL: Black toner contains carbon black, which has an OSHA Permissible Exposure Limit (PEL) of 3.5 mg/m³ (milligrams per cubic meter of air), as an eight-hour time-weighted average. The ACGIH Threshold Limit Value (TLV) is also 3.5 mg/m³.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black, blue, red, or yellow powders in cartridge.

Odor: Slight

Solubility in water: Not water soluble

Specific Gravity: 1 (water=1)

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility with other materials: None known

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute

Non-irritating to eyes

Non-sensitizer for skin

Non-irritant for skin

Not toxic, according to laboratory tests for acute oral, dermal, and inhalation toxicity.

Chronic

Mutagenic effects: none detected in Ames assay

Note: Toxicity data is based upon test results of similar xerographic toners.

SECTION 12 - ECOLOGICAL INFORMATION

No known impact.

SECTION 13 - DISPOSAL CONSIDERATIONS

These products are not a hazardous waste as specified in 40CFR 261. Dispose in accordance with all federal, state, and local regulations.

In the spent condition, copper-zinc ferrite (CAS 66402-68-4) may be present in the remnant material at sufficient levels to classify the remnant material as a hazardous waste under the California Code of Regulations, Title 22, Division 4.5 and The Hazardous Waste Designation Decree in the Netherlands.

SECTION 14 - TRANSPORT INFORMATION

DOT: Not regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA: All components of these toners are listed in the Toxic Substances Control Act inventory as verified by our suppliers.

RCRA: TCLP below hazardous waste levels set by EPA.

California Proposition 65: Not listed

CERCLA: Not listed

SARA Extremely Hazardous Substances: Not listed

SARA 313: Not listed

The ingredients of these toners are not listed as carcinogens by OSHA or NTP. Black toner does contain carbon black, which has been classified by the International Agency for Research on Cancer (IARC) as a class 2B carcinogen. IARC 2B materials are considered to be possibly carcinogenic to humans.

SECTION 16 - OTHER INFORMATION

Original preparation date: June 3, 1998. JMP

Revision 3/15/99: Section 13. JMP

Changed Company Name/Address: 06-16-00

Xerox Corporation

PO Box 1000

Mail Stop 60-512

Wilsonville, Oregon 97070-1000

Printer information call: 1-800-835-6100

MSDS information call: (503) 685-4093

Xerox MATERIAL SAFETY DATA SHEET

Manufacturer: Xerox Corporation, P. O. Box 1000, Wilsonville, Oregon 97070

Preparation Date: June 16, 2000

SECTION 1- PRODUCT IDENTIFICATION

<u>Trade Names</u>	<u>Tektronix Part No.</u>
Black Developer Assembly	118-9782-00
Cyan Developer Assembly	118-9783-00
Magenta Developer Assembly	118-9784-00
Yellow Developer Assembly	118-9785-00

Product Use: Tektronix Phaser[®] 780 color printers

SECTION 2 - INFORMATION ON INGREDIENTS

Developers are a proprietary blend of copper-zinc ferrite (CAS 66402-68-4), resins and pigments, encased in a cartridge.

SECTION 3 - HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE: Developer granules are encased in a cartridge and are not accessible, unless cartridge is forcibly broken.

POTENTIAL HEALTH EFFECTS: Health effects from this product are expected to be negligible, when product is used as intended.

Immediate Effects:

Inhalation: Minimal irritation to respiratory tract

Skin: Non-irritant and non-sensitizer for skin.

Eye: Non-irritating to eyes.

Ingestion: Not an expected route of exposure.

Chronic Effects: None known or expected.

SIGNS AND SYMPTOMS OF EXPOSURE

Minimal irritation to respiratory tract, as for any non-toxic dust

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None when used as intended

SECTION 4 - FIRST AID MEASURES

Inhalation: Unlikely route of exposure. In the event of exposure, remove person to fresh air. Seek medical attention if symptoms occur.

Eyes: If particles get into eye, flush thoroughly with water. Seek medical attention if symptoms occur.

Skin: Wash thoroughly with soap and water. Seek medical attention if symptoms of irritation occur.

Ingestion: Dilute stomach contents by drinking several glasses of milk or water. Seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point: Not applicable.

Fire & Explosion Hazards: This product is combustible. No unusual hazards are expected.

Extinguishing media: Use CO₂, dry chemical, foam, or water. Avoid inhalation of smoke.

As for any fire, wear protective clothing and self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill or Leak: Developer granules may be cleaned up with a broom or vacuum and placed in a convenient waste disposal container. Clean up residue if necessary with soap and water.

SECTION 7 - HANDLING AND STORAGE

Handling: No special requirements

Storage: No special requirements.

SECTION 8 - EXPOSURE CONTROL - PERSONAL PROTECTION

No special protection indicated when used as intended.

TLV/PEL: Black developer contains carbon black, which has an OSHA Permissible Exposure Limit (PEL) of 3.5 mg/m³ (milligrams per cubic meter of air), as an eight-hour time-weighted average. The ACGIH Threshold Limit Value (TLV) is also 3.5 mg/m³.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black, blue, red, or yellow granules in cartridge.

Odor: Slight

Solubility in water: Not available

Specific Gravity: Not available

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility with other materials: None known

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute

Non-irritating to eyes

Non-sensitizer for skin

Non-irritant for skin

Not toxic, according to laboratory tests for acute oral, dermal, and inhalation toxicity.

Chronic

Mutagenic effects: none detected in Ames assay

Note: Toxicity data is based upon test results of similar xerographic materials.

SECTION 12 - ECOLOGICAL INFORMATION

No known impact.

SECTION 13 - DISPOSAL CONSIDERATIONS

These products are not a hazardous waste as specified in 40CFR 261. Dispose in accordance with all federal, state, and local regulations.

In the spent condition, copper-zinc ferrite (CAS 66402-68-4) may be present in the remnant material at sufficient levels to classify the remnant material as a hazardous waste under the California Code of Regulations, Title 22, Division 4.5 and The Hazardous Waste Designation Decree in the Netherlands.

SECTION 14 - TRANSPORT INFORMATION

DOT: Not regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA: All components of these developers are listed in the Toxic Substances Control Act inventory as verified by our suppliers.

RCRA: TCLP below hazardous waste levels set by EPA.

California Proposition 65: Not listed

CERCLA: Not listed

SARA Extremely Hazardous Substances: Not listed

SARA 313: Copper-Zinc ferrite is present in all developer colors and is a SARA 313 substance.

The ingredients of these toners are not listed as carcinogens by OSHA or NTP. Black toner does contain very small quantities of carbon black (<1%), which has been classified by the International Agency for Research on Cancer (IARC) as a class 2B carcinogen. IARC 2B materials are considered to be possibly carcinogenic to humans.

SECTION 16 - OTHER INFORMATION

Original preparation date: June 3, 1998. JMP

Revision March 15, 1999: Section 13, JMP

Changed Company Name/Address: 06-16-00

Xerox Corporation

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Xerox MATERIAL SAFETY DATA SHEET

Manufacturer: Xerox Corporation, P. O. Box 1000, Wilsonville, Oregon 97070

Preparation Date: July 13, 2000

SECTION 1- PRODUCT IDENTIFICATION

Silicone oil, impregnated into oil roller of fuser roll cartridge (Tektronix part number 016-1866-00, 01) and high duty fuser roll cartridge (Tektronix part number 016-1717-00).

Product Use: Tektronix Phaser[®] 780 color printers

SECTION 2 - INFORMATION ON INGREDIENTS

Organo-functional polydimethylsiloxane

SECTION 3 - HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE: Skin, eyes

POTENTIAL HEALTH EFFECTS: Health effects from this product are expected to be negligible, when product is used as intended.

Immediate Effects:

Inhalation: Not an expected route of entry

Skin: Non-irritant and non-sensitizer for skin

Eye: Non-irritant to eyes.

Ingestion: Not an expected route of exposure.

Chronic Effects: None known or expected.

SIGNS AND SYMPTOMS OF EXPOSURE

None when used as intended.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None when used as intended

SECTION 4 - FIRST AID MEASURES

Inhalation: Not a route of exposure for this product.

Eyes: Flush thoroughly with water. Seek medical attention if symptoms occur.

Skin: Wash thoroughly with soap and water. Seek medical attention if symptoms of irritation occur.

Ingestion: Unlikely route of exposure. Dilute stomach contents by drinking several glasses of milk or water. Seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point: Not applicable.

Fire & Explosion Hazards: No unusual hazards are expected.

Extinguishing media: Use CO₂, dry chemical, foam, or water. Avoid inhalation of smoke. As for any fire, wear protective clothing and self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill or Leak: Oil is impregnated into oil roller of fuser roll cartridge. Small amounts (ie., drops) may result from normal handling. Absorb and place in an appropriate disposal container. Clean spills thoroughly because residue can be slippery.

SECTION 7 - HANDLING AND STORAGE

Handling: Wash hands with soap and water after contact. Clean spills per SECTION 6.
Storage: No special requirements.

SECTION 8 - EXPOSURE CONTROL - PERSONAL PROTECTION

No special protection indicated when used as intended.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid impregnated into oil roller of fuser roll cartridge

Odor: Slight

Solubility in water: This silicone oil is not water soluble

Specific Gravity: 0.97 (water=1)

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility with other materials: Strong oxidizing agents

Hazardous Decomposition Products: Silicone dioxide, carbon dioxide, and traces of incompletely burned carbon products.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute

Non-irritating to eyes

Non-sensitizer for skin

Non-irritant for skin

Not toxic, according to laboratory tests for acute oral and dermal toxicity.

Chronic

Mutagenic effects: none detected in Ames and *in vitro* CHO assays

Note: Toxicity data is based upon test results of this material as well as similar materials.

SECTION 12 - ECOLOGICAL INFORMATION

Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT: Not regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA: Listed in the Toxic Substances Control Act inventory as verified by our suppliers.

California Proposition 65: Not listed

CERCLA: Not listed

SARA Extremely Hazardous Substances: Not listed

SARA 313: Not listed

This material is not listed as carcinogenic by OSHA, IARC or NTP.

SECTION 16 - OTHER INFORMATION

Original preparation date: June 3, 1998. JMP

Changed Company Name/Address: 06-16-00

Added 01 revision to part number 016-1866-00: 07-13-00

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