Material Safety Data Sheet

Section 1: Product Identification

**Trade Name/Synonyms:** Document Centre 535/545/555; CopyCentre C35/C45/C55
CopyCentre C165/C175; CopyCentre 232/238/245/255/265/275; WorkCentre M35/M45/M55; WorkCentre Pro 35/45/55, WorkCentre Pro 165/175, WorkCentre M165/M175; WorkCentre 232/238/245/255/265/275; WorkCentre Pro 232/238/245/255/265/275; WorkCentre 5030/WorkCentre 5050/WorkCentre 5135/5150 WorkCentre 5632/5638/5645/5655/5665/5675/5687; WorkCentre 5735/5740/5745/5755/5765/5775/5790 Replenisher

**Part No.:** 6R1046, 6R1047, 6R1186, 6R1146, 6R1229, 6R1230, 93K06410, 93K04541, 93K14370, 93K14380, 504K11840

**WHMIS Status:** This is not a WHMIS controlled product

**Ingredients (% by wt.)**

<table>
<thead>
<tr>
<th>Carrier</th>
<th>CAS No.</th>
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<tbody>
<tr>
<td>Metal oxide (100%)</td>
<td>Proprietary</td>
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<tr>
<td>Toner</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Polyester resin (80-90%)</td>
<td>1333-86-4</td>
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<tr>
<td>Carbon black (5-10%)</td>
<td>9010-79-1</td>
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<tr>
<td>Polyolefin (0.1-5%)</td>
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Section 2: Emergency and First Aid

**Primary Route of Entry:**

- **Inhalation:**
  - **Symptoms of Overexposure:** Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.
  - **Medical Conditions Generally Aggravated by Exposure:** None when used as described by product literature.

- **Skin:**
  - **Wash with soap and water**

- **Inhalation:**
  - **Additional Information:** None

- **Ingestion:**
  - **Dilute stomach contents with several glasses of milk or water**

Section 3: Toxicology and Health Information

The toxicity data noted below is based on the results of similar reprographic materials:

- **Oral LD₅₀:** >5 g/kg (rats) practically non-toxic.
- **Dermal LD₅₀:** >5 g/kg (rabbits) practically non-toxic
- **Inhalation LC₅₀:** >5 mg/l (rats, 4hr exposure) practically non-toxic.
  - >20 mg/l (calculated 1 hr exposure) non-poisonous, DOT
- **Eye Irritation:** Not an irritant
- **Skin Sensitization:** Not a sensitizer
- **Skin Irritation:** Not an irritant
- **Human Patch:** Non-irritating, non-sensitizing
- **Mutagenicity:** No mutagenicity detected in Ames assay.
- **Carcinogens:** None present
- **Aquatic LC₅₀:** >1000 mg/l (fathead minnows) non-toxic.

**Additional Information:**

The results obtained from a Xerox sponsored Chronic Toner Inhalation Study demonstrated no lung change in rats for the lowest (1mg/m³) exposure level (the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of animals at the middle (4mg/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m³) exposure level. These findings are attributed to “lung overloading”, a generic response to excessive amounts of any dust retained in the lungs for prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available Xerox toner, and would not be functionally suitable for Xerox equipment.

1 XEL - Xerox Exposure Limit
Section 4 – Physical Data
Appearance/Odor: Fine black, magenta, yellow, cyan powder/ faint odor
Softening Range: 120°F - 140°F
Boiling Point: Not applicable
Melting Point: N.D.
Solubility in Water: Negligible
Specific Gravity (H₂O=1): ~1
Evaporation Rate: Not applicable
Vapor Pressure (mm Hg): Not applicable
Vapor Density (Air=1): Not applicable
pH: Not applicable
Volatile: Not applicable % (Wt.) Not applicable % (Vol.)

Section 5 – Fire and Explosion Data
Flash Point (Method Used): Not applicable
Flammable Limits: LEL: Not applicable, UEL: Not applicable
NFPA 704: Consumer Use and Storage (“Cartridge”/ “Bottle”) – Health -0, Fire-1, Reactivity-0
Manufacturing Use and Storage (“Bulk Containers”) – Health -0, Fire-3, Reactivity-0
Extinguishing Media: Avoid direct stream – gently apply water mist, water fog, or foam
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.

Fire and Explosion Hazards: Toner is a combustible powder. Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

Section 6 – Reactivity Data
Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Products of combustion may be toxic. Avoid breathing smoke.
Incompatibility (Materials to Avoid): None known

Section 7 – Special Protection Information
Respiratory Protection: None required when used as intended in Xerox equipment.
Eye Protection: None required when used as intended in Xerox equipment.
Protective Gloves: None required when used as intended in Xerox equipment.
Other: For use other than normal customer-operating procedures (such as in bulk toner processing facilities), goggles and respirators may be required. For more information, contact Xerox.

Section 8 – Special Precautions
Handling and Storage: Keep container tightly closed
Conditions to Avoid: Avoid prolonged inhalation of excessive dust.

Section 9 – Spill, Leak, and Disposal Procedures
For Spills or Leakage: Sweep up or vacuum spilled toner and carefully transfer into sealable waste container. Sweep slowly to minimize generation of dust during clean-up. If vacuum is used, the motor must be rated as dust tight. A conductive hose bonded to the machine should be used to reduce static buildup (See Section 5). Residue can be removed with soap and cold water. Garments may be washed or dry-cleaned, after removal of loose toner.
Waste Disposal Method: This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. State and Local requirements may, however, be more restrictive. Consult with the appropriate State and Local waste disposal authorities for additional information. Incinerate only in a closed container.

Section 10 – Transportation Information
This product is not regulated as a hazardous material.