XEROX

Material Safety Data Sheet

MSDS No: A-02095
Date: 2/13/96
Revision: 11/13/02

Distributor: Xerox Corporation
Telephone #(s): Safety Information: (800) 828-6571
Health Emergency: (585) 422-2177
Transportation Emergency (Chemtrec): (800) 424 - 9300

Rochester, NY 14644

Section I - Product Identification

Trade Names/Synonyms: Document FaxCentre PRO 735, Document WorkCentre
PRO 745/745 DL/ 745 SX Toner
Part No.: 6R851, 106R373

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product.

Ingredients (% by wt.)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
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</thead>
<tbody>
<tr>
<td>Polyester resin (80-90%)</td>
<td>Trade Secret¹</td>
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<tr>
<td>Wax (&lt;10%)</td>
<td>9003-07-0</td>
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<tr>
<td>Carbon black (2-3%)</td>
<td>1333-86-4</td>
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<tr>
<td>Pigment (&lt;2%)</td>
<td>104815-18-1</td>
</tr>
</tbody>
</table>

Section II - Emergency and First Aid

Primary Route of Entry: Inhalation

Eyes: Flush with water.

Skin: Wash with soap and water.

Inhalation: Remove from exposure.

Ingestion: Dilute stomach contents with several glasses of water.

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.

Additional Information:
None.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation.

Oral LD₅₀: N.D.
Dermal LD₅₀: >2 g/kg (rabbits) practically non-toxic.
Inhalation LC₅₀: >9.36 mg/l
Eye Irritation: Not an irritant.
Skin Sensitization: Not a sensitizer.
Skin Irritation: Not an irritant.
Human Patch: N.D.
Mutagenicity: No mutagenicity detected in Ames Assays.
Carcinogens: None present
Aquatic LC₅₀: N.D.

TLV: 10 mg/m³ (total dust)
PEL: 15 mg/m³ (total dust)
STEL: N.E.
Ceiling: N.E.
XEL²: 2.5 mg/m³ (total dust)

The results obtained from a Xerox sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m³) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of the 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 a 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 This ingredient is considered a Trade Secret and registered under the New Jersey TSRN 80100252-5001-P. ²XEL - Xerox Exposure Limits.

N.A. - Not Applicable  N.E. -None Established  N.D. -Not Determined

602E16030
### Section IV - Physical Data

- **Appearance/Odor:** Black powder / odorless
- **Softening Range:** N.A.
- **Boiling Point:** N.A.
- **Melting Point:** N.A.
- **Solubility in Water:** Insoluble
- **Specific Gravity (H₂O=1):** 1.2
- **Evaporation Rate:** N.A.
- **Vapor Pressure (mm Hg):** N.A.
- **Vapor Density (Air=1):** N.A.
- **pH:** N.A.
- **Volatile:** N.A. % (Wt.) N.A. % (Vol.)

### Section V - Fire and Explosion Data

- **Flash Point (Method Used):** N.A.
- **Flammable Limits:** LEL: 31.6 g/m³, UEL: N.A.
- **NFPA 704:** Health - 0, Fire - 3, Reactivity - 0
- **Extinguishing Media:** Water spray, foam, CO₂, dry powder
- **Special Fire Fighting Procedures:** Avoid inhalation of smoke.
- **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 VI - Reactivity Data

- **Stability:** Stable
- **Hazardous Polymerization:** Will Not Occur
- **Hazardous Decomposition Products:** Phenol derivatives, carbon monoxide when heated at high temperatures. (>300°C)
- **Incompatibility (Materials to Avoid):** Strong acid or alkaline

### Section VII - Special Protection Information

- **Respiratory Protection:** None required when used as intended in Xerox equipment. Inhalation should be avoided.
- **Eye Protection:** None required when used as intended in Xerox equipment.
- **Protective Gloves:** None required when used as intended in Xerox equipment.
- **Other:** None

### Section VIII - Special Precautions

- **Handling and Storage:** None
- **Conditions to Avoid:** Avoid prolonged inhalation of excessive dust.

### Section IX - Spill, Leak, and Disposal Procedures

- **For Spills or Leakage:** Sweep up and place into a sealable waste container or vacuum spilled toner. Sweep slowly to minimize generation of dust during clean-up. If a 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 V). 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 detailed information. Incinerate only in a closed container.

### Section X - Transportation Information

- **DOT Proper Shipping Name:** N.A. (Not Regulated)
- **ID Number:** N.A.
- **Hazard Classification:** N.A.
- **Packing Group:** N.A.