XEROX  
Material Safety Data Sheet  
MSDS No: A-0075  
Date: 6/30/88  
Revision: 10/7/03  

Manufacturer: Xerox Corporation  
Rochester, NY 14644  

Section I - Product Identification  
Trade Names/Synonyms: 5008 Series/5009 Series/5205/5210/5220/ 
5222/5240/5260/5280/5307/5308/5309/5310  
Green Dry Ink Cartridge  
Chemical Name: None  
WHMIS Status: This is not a controlled product.  

Ingredients  
<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron powder (50-60%)</td>
<td>7439-89-6</td>
</tr>
<tr>
<td>Styrene/acrylate copolymer (30-40%)</td>
<td>25767-47-9</td>
</tr>
<tr>
<td>Titanium dioxide (&lt;5%)</td>
<td>1317-80-2</td>
</tr>
<tr>
<td>C.I. Pigment Green 7 (&lt;2%)</td>
<td>1328-53-6</td>
</tr>
<tr>
<td>Azo-pigment (&lt;1%)</td>
<td>6358-37-8</td>
</tr>
<tr>
<td>Organic ammonium salt (&lt;1%)</td>
<td>102561-46-6</td>
</tr>
<tr>
<td>Difluoroethylene polymer (&lt;1%)</td>
<td>24937-79-9</td>
</tr>
</tbody>
</table>

Section II - Emergency and First Aid  
Eyes: Flush with water.  
Skin: Wash with soap and water.  
Inhalation: Remove from exposure.  
Ingestion: Dilute stomach contents with several glasses of water.  
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.  
Additional Information: See Sections V and VII.  

Section III - Toxicology and Health Information  
This material has been evaluated by Xerox Corporation.  
Oral LD<sub>50</sub>: >10 g/kg (rats) practically non-toxic.  
Dermal LD<sub>50</sub>: >5 g/kg (rabbits) practically non-toxic.  
Inhalation LC<sub>50</sub>: >5 mg/l (rats, 4 hr exposure)practically non-toxic.  
Inhalation LC<sub>50</sub>: >20 mg/l (calculated 1 hr exposure)  
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, in vitro CHO, and WP<sub>2</sub> Assays.  
Carcinogens: None present  
Aqueous LC<sub>50</sub>: Not determined  
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 (i.e. the level most relevant to potential human exposure). A very slight degree 
of fibrosis was noted in one-forth 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 
ot be functionally suitable for Xerox equipment.  

<sup>1</sup>Based on testing of similar xerographic toner materials.  
<sup>2</sup>XEL-Xerox Exposure Limit  
N.A. - Not Applicable  
N.E. - None Established  
N.D. - Not Determined  
600E58590
Section IV - Physical Data

Appearance/Odor: Green powder / faint odor
Softening Range: 85°C to 100°C
Boiling Point: N.A.
Melting Point: N.A.
Solubility in Water: Negligible
Specific Gravity (H₂O=1): >1
Evaporation Rate: N.A.
Vapor Pressure (mm Hg): N.A.
Vapor Density (Air=1): N.A.
pH: N.A.
Volatile: N.A.% (Wgt) N.A. % (Vol.)

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Flammable Limits: N.A.
Extinguishing Media: Water, dry chemical, carbon dioxide 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, when dispersed in air, it can form explosive mixtures.

Section VI - 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): Strong acids

Section VII - 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 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 or vacuum spilled toner and carefully transfer into sealable waste container. 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: When disposed, this material is not a hazardous waste according to Federal Regulation 40 CFR 261. However, State and Local requirements may be more restrictive. Therefore, consultation with the appropriate State and Local waste disposal authorities is advised.

Section X - Transportation Information

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