

Item # 99119

MSDS No.: A-0175

Date: 5/3/90

Revision: 8/30/95

192

Manufacturer: Xerox Corporation  
Rochester, N.Y. 14644

Telephone #(s): Safety Information: (800) 828-6571

Health Emergency: (716) 422-2177

Transportation Emergency: (716) 422-1230

Section I - Product Identification

Trade Names/Synonyms: 5380/5385 Black Dry Ink

Part No.: 6R354\*, 6R382;

Chemical Name: None

XCL: 6R569;

RX: 6R90188

\*Cancelled

WHMIS Status: This is not a WHMIS controlled product

Ingredients (% by wt.)

CAS No.

Styrene/acrylate copolymer (80-90%)

25767-47-9

Carbon black (5-10%)

1333-86-4

Polyolefins (5-10%)

9003-07-0/9002-88-4

Quarternary ammonium salt (1-3%)

102561-46-6

Titanium dioxide (1-3%)

13463-67-7

HAZARD 24  
PHONE # 716-422-1230

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Section II - 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.

Eyes:

Flush with water.

Medical Conditions Generally Aggravated by Exposure:  
None when used as described by product literature.

Skin:

Wash with soap and water.

Additional Information:

None

Inhalation:

Remove from exposure.

Ingestion:

Dilute stomach contents with several glasses of water.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation.

Oral LD50: > 5 g/kg (rats) practically non-toxic.<sup>1</sup>

Dermal LD50: > 2 g/kg (rabbits) practically non-toxic.<sup>1</sup>

Inhalation LC50: > 5 mg/l (rats, 4 hr exposure) practically non-toxic.<sup>1</sup>  
> 20 mg/l (rats, calc. 1 hr exposure) non-poisonous, DOT.<sup>1</sup>

TLV: 10 mg/m<sup>3</sup> (total dust)

5 mg/m<sup>3</sup> (respirable dust)

PEL: 15 mg/m<sup>3</sup> (total dust)

5 mg/m<sup>3</sup> (respirable dust)

Eye Irritation: Not an irritant.

STEL: N.E

Skin Sensitization: Not a sensitizer.<sup>1</sup>

Ceiling: N.E

Skin Irritation: Not an irritant.<sup>1</sup>

XEL<sup>2</sup>: 2.5 mg/m<sup>3</sup> (total dust)

Human Patch: Non-irritating, non-sensitizing

0.4 mg/m<sup>3</sup> (respirable dust)

Mutagenicity: No mutagenicity detected in Ames test.

Carcinogens: None present

Aquatic LC50: > 1125 mg/l (rainbow trout), 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/m<sup>3</sup>) 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/m<sup>3</sup>) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16mg/m<sup>3</sup>) 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.

<sup>1</sup>Based on testing of similar xerographic materials. <sup>2</sup> XEL - Xerox Exposure Limit

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**Section IV - Physical Data**

Appearance/Odor:	Black powder / faint odor	Softening Range:	85°C to 100°C
Boiling Point:	N.A.	Melting Point:	N.A.
Solubility in Water:	Negligible	Specific Gravity (H <sub>2</sub> O = 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:	LEL: N.A. UEL: 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:	<table border="1"> <tr> <td>Unstable</td> <td></td> </tr> <tr> <td>Stable</td> <td>X</td> </tr> </table>	Unstable		Stable	X	Hazardous Polymerization:	<table border="1"> <tr> <td>May Occur</td> <td></td> </tr> <tr> <td>Will Not Occur</td> <td>X</td> </tr> </table>	May Occur		Will Not Occur	X
Unstable											
Stable	X										
May Occur											
Will Not Occur	X										
Hazardous Decomposition Products:	Products of combustion may be toxic. Avoid breathing smoke.										
Incompatibility (Materials to Avoid):	None known										

**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: Use with adequate ventilation.  
 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 a 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: This material is not a hazardous waste according to Federal Regulation 40 CFR 261. State and Local waste disposal requirements may however, be more restrictive. Consult with the appropriate State and Local authorities for specific 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.