

**Manufacturer:** Xerox Corporation  
Rochester, N.Y. 14644

**Health Emergency Tel. No.:** (716) 422-2177  
**Transportation Emergency:** (716) 422-1230  
**Safety Information Tel. No.:** (800) 828-6571

## Section I - Product Identification

**Trade Names/Synonyms:** 5100 Dry Ink

**Part No.:** FX: 6R258, 6R262;  
XCI: 6R556;  
RX: 6R90159;  
Included in kits:  
USMG: 502S30917;  
RX: 502S30918;  
FX: 502S30919;  
XCI: 502S30920, 6R82269

**Chemical Name:** None

### Ingredients

### CAS No.

Styrene/butadiene copolymer (60-65%)	9003-55-8
Acrylic resin (20-25%)	9017-48-5
Carbon black (5-15%)	1333-86-4
Polyolefin (1-6%)	9003-07-0
Quaternary ammonium salt (<1%)	3843-16-1

## Section II - Emergency and First Aid

<b>Eyes:</b>	Flush with water.
<b>Skin:</b>	Wash with soap and water.
<b>Inhalation:</b>	Remove from exposure.
<b>Ingestion:</b>	Dilute stomach contents with several glasses of water.
<b>Primary Route of Entry:</b>	Inhalation
<b>Symptoms of Overexposure:</b>	Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.
<b>Medical Conditions Generally Aggravated by Exposure:</b>	None when used as described by product literature.
<b>Additional Information:</b>	See Sections V and VII.

## Section III - Toxicology and Health Information

*This material has been evaluated by Xerox Corporation.*

<b>Oral LD<sub>50</sub>:</b>	> 10 g/kg (rats) practically non-toxic.	<b>TLV:</b>	10 mg/m <sup>3</sup> (total dust)
<b>Dermal LD<sub>50</sub>:</b>	> 2 g/kg (rabbits) practically non-toxic.	<b>PEL:</b>	15 mg/m <sup>3</sup> (total dust)
<b>Inhalation LC<sub>50</sub>:</b>	> 5 mg/l (rats, 4 hr exposure) practically non-toxic. <sup>1</sup>		5 mg/m <sup>3</sup> (respirable dust)
	> 20 mg/l (rats, calculated 1 hr exposure) non-poisonous, DOT. <sup>1</sup>	<b>STEL:</b>	None established
<b>Eye Irritation:</b>	Not an irritant.	<b>Ceiling:</b>	None established
<b>Skin Sensitization:</b>	Not a sensitizer.	<b>XEL<sup>2</sup>:</b>	2.5 mg/m <sup>3</sup> (total dust)
<b>Skin Irritation:</b>	Not an irritant.		0.4 mg/m <sup>3</sup> (respirable dust)
<b>Human Patch:</b>	Non-irritating, non-sensitizing		
<b>Mutagenicity:</b>	No mutagenicity detected in Ames, Pol A <sup>+</sup> /A <sup>-</sup> , in vitro CHO, and CHO/HGPRT Assays.		
<b>Carcinogens:</b>	None present		
<b>Aquatic LC<sub>50</sub>:</b>	> 1,000 mg/l (fathead minnows) non-toxic.		
<b>Additional Information:</b>	Test results noted above are based on toxicity data for toner.		

In a Xerox sponsored chronic inhalation study in rats using a special test toner, there were no lung changes at all in the lowest exposure level (1 mg/m<sup>3</sup>), the most relevant level to potential human exposures. A very slight degree of fibrosis was noted in 25 % of the animals at the middle exposure level (4 mg/m<sup>3</sup>) while a slight degree of fibrosis was observed at the highest exposure level (16 mg/m<sup>3</sup>) in all animals. These findings are attributed to "lung overloading," a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. The special test toner was ten times more respirable than commercially available Xerox toner to comply with EPA testing protocol and would not function properly in Xerox equipment.

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

**Section IV - Physical Data**

<b>Appearance/Odor:</b>	Black powder / faint odor	<b>Softening Range:</b>	85°C to 100°C
<b>Boiling Point:</b>	N.A.	<b>Melting Point:</b>	N.A.
<b>Solubility in Water:</b>	Negligible	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	~3
<b>Evaporation Rate:</b>	N.A.	<b>Vapor Pressure (mm Hg):</b>	N.A.
<b>Vapor Density (Air = 1):</b>	N.A.	<b>pH =</b>	N.A.
<b>Volatile</b>	N.A.%(Wgt.) N.A.%(Vol.)		

**Section V - Fire and Explosion Data**

<b>Flash Point (Method Used):</b>	N.A.	<b>Flammable Limits</b>	LEL: N.A. UEL: N.A.
<b>Extinguishing Media:</b>	Water, dry chemical, carbon dioxide or foam.		
<b>Special Fire Fighting Procedures:</b>	Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.		
<b>Fire and Explosion Hazards:</b>	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**

<b>Stability:</b>	<table border="1"> <tr> <td>Unstable</td> <td></td> </tr> <tr> <td>Stable</td> <td>X</td> </tr> </table>	Unstable		Stable	X	<b>Hazardous Polymerization:</b>	<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										
<b>Hazardous Decomposition Products:</b>	Products of combustion may be toxic. Avoid breathing smoke.										
<b>Incompatibility (Materials to Avoid):</b>	None known										

**Section VII - Special Protection Information**

<b>Respiratory Protection:</b>	None required when used as intended in Xerox equipment.
<b>Eye Protection:</b>	None required when used as intended in Xerox equipment.
<b>Protective Gloves:</b>	None required when used as intended in Xerox equipment.
<b>Other:</b>	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**

<b>Handling and Storage:</b>	None
<b>Conditions to Avoid:</b>	Avoid prolonged inhalation of excessive dust.

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

<b>For Spills or Leakage:</b>	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.
<b>Waste Disposal Method:</b>	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. Incinerate only in a closed container.

**Section X - Transportation Information**

<b>DOT Proper Shipping Name:</b>	Not Regulated	<b>ID Number:</b>	N. A.
<b>Hazard Classification:</b>	N. A.		

**Section IV - Physical Data**

Appearance/Odor:	Solid /odorless	Softening Range:	N.A.
Boiling Point:	N.A.	Melting Point:	N.A.
Solubility in Water:	Insoluble	Specific Gravity (H <sub>2</sub> O = 1):	N.A.
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, carbon dioxide, foam.		
Special Fire Fighting Procedures:	When in a machine, treat as an electrical fire.		
Fire and Explosion Hazards:	Exposure to high temperatures can result in melting and pyrolysis. Fumes may cause respiratory symptoms. Delayed effects may occur up to 72 hours.		

**Section VI - Reactivity Data**

Stability:	Unstable	X	Hazardous Polymerization:	May Occur	X
	Stable			Will Not Occur	
Hazardous Decomposition Products:	Oxides of selenium.				
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:	None required when used as intended in Xerox equipment.

**Section VIII - Special Precautions**

Handling and Storage:	Avoid exposure to high temperatures.
Conditions to Avoid:	Flames, direct heat.

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

For Spills or Leakage:	Particles detached through physical damage may be disposed of as indicated below.
Waste Disposal Method:	Casual disposal leading to incineration or regular landfill according to local, state, and federal ordinances. Customers are encouraged to participate in environmental conservation by returning the spent unit to Xerox Corporation for recycling using the Cartridge Return Kit. Kits, for some of the part numbers on this data sheet, may be obtained by calling 1-800-822-2200.

**Section X - Transportation Information**

DOT Proper Shipping Name:	Not Regulated	ID Number:	N. A.
Hazard Classification:	N. A.		

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## Section I - Product Identification

Trade Names/Synonyms: 1065/1075/1090/4090/4050/ 4135/4235/  
4650/ 5016/ 5018/5021/5026/5028/5034/  
5046/5047/5065/ 5090/5090-S/5100/5126/  
5321/5328/5334/5335/5365/5380/5385/  
5388/ 5390/5775/DocuTech 90/  
DocuTech135 Photoreceptor

Part No.: 1R300, 1R301, 1R302,  
1R85, 1R88, 1R91, 1R104,  
1R122, 1R425, 1R427,  
13R412, 1R119, 13R67,  
13R7, 1R98, 13R9, 13R74,  
1R115, 13R37, 13R13,  
13R18;  
RX: 1R107, 13R68, 13R34;  
XLA: 13R69, 13R35;  
XCI: 13R520, 13R511,  
13R505;  
FX: 13R31

Chemical Name: None

### Ingredients

Polyester film (65-70%)  
Polycarbonate (20-25%)  
Tertiary diamine (10-15%)  
Polyvinyl carbazole (<5%)  
Selenium (<1%)

### CAS No.

25038-59-9  
25037-45-0  
65181-78-4  
25067-59-8  
7782-49-2

## Section II - Emergency and First Aid

Eyes: Not applicable  
Skin: Wash with soap and water.  
Inhalation: Not applicable  
Ingestion: Not applicable  
Primary Route of Entry: Skin  
Symptoms of Overexposure: None  
Medical Conditions Generally Aggravated by Exposure: None  
Additional Information: None when used as described by product literature.  
See Sections V and IX.

## Section III - Toxicology and Health Information

*This material has been evaluated by Xerox Corporation.*

Oral LD <sub>50</sub> :	> 5 g/kg (rats) practically non-toxic.	TLV:	0.2 mg/m <sup>3</sup> (selenium)
Dermal LD <sub>50</sub> :	N.A.	PEL:	0.2 mg/m <sup>3</sup> (selenium)
Inhalation LC <sub>50</sub> :	N.A.	STEL:	None established
Eye Irritation:	Not an irritant.	Ceiling:	None established
Skin Sensitization:	Not a sensitizer.	XEL <sup>1</sup> :	0.05mg/m <sup>3</sup> (selenium)
Skin Irritation:	Not an irritant.		
Human Patch:	Non-irritating, non-sensitizing		
Mutagenicity:	No mutagenicity detected in Ames, Pol A + /A <sup>-</sup> , and WP <sub>2</sub> Assays.		
Carcinogens:	None present		
Aquatic LC <sub>50</sub> :	> 500 mg/l (fathead minnows) non-toxic.		
Additional Information:	Biodegradation/non-biodegradable; Leaching Test/negative.		

<sup>1</sup>XEL - Xerox Exposure Limit