

Manufacturer: Xerox Corporation
Rochester, N.Y. 14644

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Information Tel. No.: (800) 828-6571
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Section I - Product Identification

Trade Names/Synonyms: 5100 Developer

Part No.: SR177, SR181 (FX), SR531 (XCI),
SR90152 (RX)

Chemical Name: None

Ingredients

CAS No.

Carrier (>95%):	
Steel powder (>99%)	7439-89-6
Toner (<5%):	
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

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. Further information on file in Poisindex.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation.

Oral LD ₅₀ :	(Rats) practically non-toxic.	TLV:	10 mg/m ³ (Total Dust)
Dermal LD ₅₀ :	(Rabbits) practically non-toxic.	PEL:	15 mg/m ³ (Total Dust)
Inhalation LC ₅₀ :	(Rats) practically non-toxic.		• 5 mg/m ³ (Respirable Dust)
Eye Irritation:	Not an irritant.	XEL ² :	2.5 mg/m ³ (Total Dust)
Skin Sensitization:	Not a sensitizer		0.4 mg/m ³ (Respirable Dust)
Skin Irritation:	Not an irritant.		
Human Patch:	Non-irritating, non-sensitizing		
Mutagenicity:	No mutagenicity detected in Ames, WP ₂ , Pol A ⁺ /A ⁻ , and Micronucleus Assays.		
Carcinogens:	None present		
Aquatic LC ₅₀ :	(Fathead Minnows) non-toxic.		

Additional Information: 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/m³), 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/m³) while a slight degree of fibrosis was observed at the highest exposure level (16 mg/m³) 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.

¹ Not tested to the highest dose or concentration ² XEL - Xerox Exposure Limit

Section IV - Physical Data

Appearance/Odor:	Black granular / faint odor	Softening Range:	N.A.
Boiling Point:	N.A.	Melting Point:	N.A.
Solubility in Water:	Negligible	Specific Gravity (H ₂ 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, foam, dry chemical.		
Special Fire Fighting Procedures:	Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.		
Fire and Explosion Hazards:	None		

Section VI - Reactivity Data

Stability:	<table><tbody><tr><td>Unstable</td><td></td></tr><tr><td>Stable</td><td>X</td></tr></tbody></table>	Unstable		Stable	X	Hazardous Polymerization:	<table><tbody><tr><td>May Occur</td><td></td></tr><tr><td>Will Not Occur</td><td>X</td></tr></tbody></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										

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:	If spilled, sweep up or vacuum.
Waste Disposal Method:	No specific waste disposal method required. Dispose of in accordance with federal, state, and local regulations.

Section X - Transportation Information

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