

Manufacturer: Xerox Corporation  
 Rochester, New York 14644

Emergency Tel. No. : (716) 422-2177  
 Information Tel. No.: (800) 828-6571

**Section I - Product Identification**

Trade Names/Synonyms: 1065 U-Mag/5018/5028/5046 Developer  
 Part No. : 5R167, 5R168, 5R416, 5R524, 5R90094 (RX), Contained in 13R7, 13R9

Chemical Name: None

<u>Ingredients</u>	<u>CAS No.</u>
Carrier (>95%):	
Steel Powder (>99%)	7439-89-6
Fluoropolymer (<1%)	24937-97-1
Toner (<5%):	
Styrene/Butadiene Copolymer (75-80%)	9003-55-8
Iron Oxide (15-20%)	1309-37-1
Carbon Black (<5%)	1333-86-4
Quaternary Ammonium Salt (<2%)	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 <sub>50</sub> : > 10 g/kg (Rats) practically non-toxic.	TLV: 10 mg/m <sup>3</sup> (Total Dust)
Dermal LD <sub>50</sub> : > 2 g/kg (Rabbits) practically non-toxic.	PEL: 15 mg/m <sup>3</sup> (Total Dust)
Inhalation LC <sub>50</sub> : > 5 mg/l (Rats) practically non-toxic. <sup>1</sup>	5 mg/m <sup>3</sup> (Respirable Dust)
Eye Irritation: Not an irritant	XEL <sup>2</sup> : 2.5 mg/m <sup>3</sup> (Total Dust)
Skin Sensitization: Not a sensitizer	0.4 mg/m <sup>3</sup> (Respirable Dust)
Skin Irritation: Not an irritant	
Human Patch: Non-irritating, non-sensitizing	
Mutagenicity: No mutagenicity detected in Ames, Micronucleus CHO/HGPRT and Yeast Mitotic Recombination Assays.	
Carcinogens: None present	
Aquatic LC <sub>50</sub> : > 500 mg/l (Fathead Minnows) non-toxic	

Additional Information: Some of the information noted above is test data of similar products. 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>Not tested to the highest dose or concentration <sup>2</sup>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: N.A.

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 LEL: N.A.

Limits UEL: N.A.

Extinguishing Media: Water, Foam, Dry Chemical

Special Fire Fighting Procedures: Avoid inhalation of smoke.

Fire and Explosion Hazards: Toner is a combustible powder. When dispersed in air, it can form explosive mixtures.

**Section VI - Reactivity Data**

Stability:

Unstable

Stable

X

Hazardous

Polymerization:

May Occur

Will Not Occur

X

Hazardous Decomposition Products: Products of combustion are 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 special disposal procedures. Insure conformity with federal, state or local regulations.

**Section X - Transportation Information**

DOT Proper Shipping Name: Not Regulated

Hazard Classification: N. A.

ID Number: N. A.