

**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:** 1 065/4235/5016/5018/5021 / Part. No.: 5R167, 5R168, 5R416, 58524  
5028/5034/5046/5047/ RX: 5R90094,502S30836, 502530837  
5065/5126/5328/5334/ 502S62463, 502562464, 5R90129,  
5335/5365/5321 502S62465,50262500,  
**Chemical Name:** Developer 5R422, 5R317,502S63506  
None Contained in: 13R7, 13RSQ3

	<u>CAS No.</u>
<u>Carrier (&gt;95%)</u>	
Steel powder (99%)	7439-89-6
Fluoropolymer (<1 %)	24937-97-1
<u>Toner (&lt;5%)</u>	
Styrene/butadiene copolymer (75-80%)	9003-55-8
Iron oxide (15-20%)	1309-37-1
Rosin acid (<5%)	8050-09-7

**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*

<b>Oral LD<sub>50</sub> :</b>	>1 Og/kg (rats) practically non-toxic.	<b>TLV:</b>	10 mg/m <sup>3</sup> (total dust)
<b>Dermal LD<sub>50</sub>:</b>	> 5 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? > 20 mg/l (rats, calculated 1 hr exposure) non-poisonous, DOT1		5 mg/m <sup>3</sup> (respirable dust)
<b>Eye Irritation:</b>	Not an irritant.	<b>STEL:</b>	None Established
<b>Skin Sensitization:</b>	Not a sensitizer.	<b>Ceiling:</b>	None Established
<b>Skin Irritation:</b>	Not an irritant.	<b>XEL<sup>2</sup></b>	2.5 mg/m <sup>3</sup> (total dust)
<b>Human Patch:</b>	Non-irritating, non-sensitizing.		0.4 mg/m <sup>3</sup> (respirable dust)
<b>Mutagenicity:</b>	No mutagenicity detected in Ames, Micronucleus, CHO/HGPRT, and Yeast Mitotic Recombination Assays.		
<b>Carcinogens:</b>	None present		
<b>Aquatic LC<sub>50</sub>:</b>	>500 mg/l (fathead minnows) non-toxic.		

**Additional Information:** The information noted above is 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.

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