

**XEROX**

**Material Safety Data Sheet**

**MSDS No:** A-0602

**Date:** 7/18/96

**Revision:** 5/14/99

**Distributor:** Xerox Corporation  
Rochester, NY 14644

**Telephone #(s):** *Safety Information: (800) 828-6571*  
*Health Emergency: (716)422-2177*  
*Transportation Emergency (Chemtrec):(800) 424 - 9300*

**Section I - Product Identification**

**Trade Names/Synonyms:** XC810/XC811/XC820/XC822/XC830/XC855/XC865/XC875/  
XC1020/XC1030/XC1033/XC1040/XC1044/ XC1045/XC1245/  
XC1250/XC1255 Black Toner Cartridge

**Part No.:** WH: 6R881  
FX: 6R890

**Chemical Name:** None

**WHMIS Status:** This is not a WHMIS controlled product.

<u>Ingredients (% by wt.)</u>	<u>CAS No.</u>
Iron Powder (>85%)	7439-89-6
Styrene Acrylate Copolymer (<15%)	25767-47-9
Carbon Black (<1%)	1333-86-4

**Section II - Emergency and First Aid**

**Primary Route of Entry:**

Inhalation

**Eyes:**

Flush thoroughly with water.

**Skin:**

Wash skin thoroughly with soap and water.

**Inhalation:**

Remove from exposure.

**Ingestion:**

Dilute stomach contents with several glasses of water.

**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:**

None

**Section III - Toxicology and Health Information**

*This material has been evaluated by Xerox Corporation. The toxicity data presented below is for toner only and based on test results of similar xerographic toner materials.*

<b>Oral LD<sub>50</sub>:</b>	>5 g/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.		5 mg/m <sup>3</sup> (respirable dust)
	>20 mg/l (rats, calculated 1 hr exposure) non-poisonous, DOT.	<b>STEL:</b>	N.E.
<b>Eye Irritation:</b>	Not an irritant.	<b>Ceiling:</b>	N.E.
<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-sensitizing, non-irritating.		
<b>Mutagenicity:</b>	No mutagenicity detected in Ames test. <sup>1</sup>		
<b>Carcinogens:</b>	None present		
<b>Aquatic LC<sub>50</sub>:</b>	>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 (16 mg/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>Test results specific to this product. <sup>2</sup>XEL-Xerox Exposure Limit  
N.A. - Not Applicable N.E. -None Established N.D. -Not Determined

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XC1250/XC1255 Black Toner Cartridge**MSDS No.:** A-0602**Section IV - Physical Data**

<b>Appearance/Odor:</b>	Black powder/odorless	<b>Softening Range:</b>	N.A.
<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>	1.1 (Toner) / 4.7 (Developer)
<b>Evaporation Rate:</b>	N.A.	<b>Vapor Pressure@20<sup>o</sup>C (mm Hg):</b>	N.A.
<b>Vapor Density (Air=1):</b>	N.A.	<b>pH:</b>	N.A.
<b>Volatile:</b>	N.A. (% Wt.) N.A. (% Vol.)	<b>Volatile Organics:</b>	N.D.

**Section V - Fire and Explosion Data**

<b>Flash Point (Method Used):</b>	N.A.
<b>Flammable Limits:</b>	LEL: 1.2% UEL: 9.6%
<b>NEPA 704:</b>	Health - 0, Fire -1, Reactivity - 0
<b>Extinguishing Media:</b>	Foam, dry chemical, CO <sub>2</sub> , water fog.
<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, it can form explosive mixtures when dispersed in air.

**Section VI -Reactivity Data**

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will Not Occur
<b>Hazardous Decomposition Products:</b>	CO and NO <sub>x</sub>
<b>Incompatibility (Materials to Avoid):</b>	None

**Section VII - Special Protection Information**

<b>Respiratory Protection:</b>	None required under normal use.
<b>Eye Protection:</b>	None required.
<b>Protective Gloves:</b>	None required.
<b>Other:</b>	None.

**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/developer and transfer into a sealable waste container.
<b>Waste Disposal Method:</b>	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**

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

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