

**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

SC 546

## Section I - Product Identification

**Trade Names/Synonyms:** 2700/3700/8040/XP12/XP12E/XP24  
Series EP Developer

**Part No.:** 5R136, 5R400, 5R401,  
5R403

**Chemical Name:** None

### Ingredients

### CAS No.

#### Carrier (>95%):

Iron powder (>95%)  
Polymethylmethacrylate (<5%)

7439-89-6  
9011-14-7

#### Toner (<5%):

Bisphenol A propylene oxide fumarate polymer (85-90%)  
Carbon black (10-15%)  
Polyolefin (<5%)

39382-25-7  
1333-86-4  
9003-07-0

## 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.*

**Oral LD<sub>50</sub>:**

>34.6 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, 4 hr exposure) practically non-toxic.<sup>1</sup>  
>20 mg/l (rats, calculated 1 hr exposure) non-poisonous, DOT.<sup>1</sup>

5 mg/m<sup>3</sup> (respirable dust)

**Eye Irritation:**

Not an irritant.

**STEL:** None established

**Skin Sensitization:**

Not a sensitizer.

**Ceiling:** None established

**Skin Irritation:**

Not an irritant.

**XEL<sup>2</sup>:** 2.5 mg/m<sup>3</sup> (total dust)

**Human Patch:**

Non-sensitizing, slightly irritating (5.3 % erythema).

0.4 mg/m<sup>3</sup> (respirable dust)

**Mutagenicity:**

No mutagenicity detected in Ames, WP<sub>2</sub>, and Micronucleus Assays.

**Carcinogens:**

None present

**Aquatic LC<sub>50</sub>:**

>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.

<sup>1</sup>Based on testing similar xerographic toner materials. <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):	~5
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:	Unstable	X	Hazardous Polymerization:	May Occur	X
	Stable			Will Not Occur	
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.
Eye Protection:	None required when used as intended.
Protective Gloves:	None required when used as intended.
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:	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.

**Section X - Transportation Information**

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