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**SAFETY DATA SHEET**

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**1 Identification of the substance or preparation and the supplier**

Product Name: **Document Centre 220/230/332/340/420/425/432/440 Series/DocuPrint N24/N32/N40/N3225/N4025 TONER**  
Datasheet Number: 3-1097 2. 1. 0  
Product Part Number: Cartridge 113R121, 113R122, 113R154, 113R00184,  
113R276,113R277, 113R307, 113R318, 113R319,  
13R90116, 13R90125, 13R90130

Chemical Name: None  
Synonyms: Toner for the Document Centre Digital Library Copier  
Name of Supplier: Xerox Ltd.  
Address of Supplier: Xerox Environment, Health & Safety - BC1  
Bessemer Road  
Welwyn Garden City  
Herts. AL7 1BU  
UK  
Telephone: ++44 (0)1707 353434  
Fax: ++44 (0)1707 353914  
Responsible Person: Manager, Environment, Health and Safety  
Emergency Telephone: Not applicable

**2 Composition/information on ingredients**

Chemical Name	Concentration	CAS Number	EC Number	R Phrases	Symbols
Styrene/n-butylacrylate resin	45-50%	25767-47-9		None	None
Magnetite	50-55% %	1309-38-2	215-169-8	None	None
Polypropylene wax	2-5%	9003-07-0		None	None
Polyethylene wax	<1%	9002-88-4		None	None
Additives	<3%	Confidential			

**3 Hazards identification**

- There are no significant hazards associated with this product

**4 First aid measures**

## Contact with skin

- Wash with soap and cold water

## Contact with eyes

- Flush with water

## Ingestion

- Give 200-300mls (half pint) water to drink

## Inhalation

- Remove patient to fresh air

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## 5 Fire-fighting measures

- Auto-ignition point - not known
- Explosive Limits: Test data show that lower explosive limits are approximately 0.1kg/m<sup>3</sup>; upper limits are not well defined but could be up to 2kg/m<sup>3</sup>. Minimum ignition energies to ignite toner clouds and layers are of the order of 52.5 and 110.0mJ respectively. Ignition temperatures to ignite toner dust clouds and layers are approximately 496 and 388°C respectively
- Flash point - not applicable
- Products of combustion include smoke and oxides of carbon and nitrogen
- In case of fire use water spray, foam or carbon dioxide

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## 6 Accidental release measures

### Immediate Actions

- Toner, as with any fine dust, if suspended in air in the right proportion, can present an explosion hazard. Therefore, if a cloud is formed by accident, all sources of ignition should be removed until the spill is dealt with.

### Clean Up Actions

- Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove

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## 7 Handling and storage

### Handling

- No special precautions are required for this product

### Storage

- Keep in a cool, dry place
- Shelf life ~ 5 years

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## 8 Exposure controls and personal protection

### Exposure Limits

- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m<sup>3</sup> (8hr TWA) total inhalable dust; 5 mg/m<sup>3</sup> (8hr TWA) total respirable dust
- Xerox Exposure Limits: 2.5 mg/m<sup>3</sup> (8hr TWA) total inhalable dust; 0.4 mg/m<sup>3</sup> (8hr TWA) total respirable dust

### Exposure controls

- No special precautions are required for this product

### Occupational exposure controls

- No special precautions are required for this product

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## 9 Physical and chemical properties

- Appearance: Black powder
- Odour: Slight odour
- pH - not applicable
- Boiling point - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Melting point - not applicable
- Insoluble in water
- Specific gravity (water=1) 3
- Flash point - not applicable
- Auto-ignition point - not known
- Explosive Limits: Test data show that lower explosive limits are approximately 0.1kg/m<sup>3</sup>; upper limits are not well defined

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## 9 Physical and chemical properties (....)

- but could be up to 2kg/m<sup>3</sup>. Minimum ignition energies to ignite toner clouds and layers are of the order of 52.5 and 110.0mJ respectively. Ignition temperatures to ignite toner dust clouds and layers are approximately 496 and 388°C respectively
- Softening point 85-100°C

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## 10 Stability and reactivity

- Stable
- Incompatibility (Materials to avoid): None known

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## 11 Toxicological information

### Inhalation

- Tests on toners containing similar materials indicate no evidence of acute inhalation toxicity

### Contact with skin

- Tests on toners containing similar materials indicate no evidence of acute dermal toxicity; non-irritating and non-sensitising in human patch test
- Tests on toners containing similar materials show non-irritating to rabbit skin and non-sensitising to guinea pig skin

### Ingestion

- Tests on toners containing similar materials indicate no evidence of acute oral toxicity

### Carcinogenicity

- Carcinogens: None present

### Mutagenicity

- No evidence of mutagenicity in Ames test

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## 12 Ecological information

### Ecotoxicity

- On available data, substance is not harmful to aquatic life

### Mobility

- Insoluble in water

### Persistence and Biodegradability

- Not readily biodegradable

### Bioaccumulation Potential

- Bioaccumulation is insignificant

### Other Adverse Effects

- Presents little or no hazard to the environment

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## 13 Disposal considerations

### Classification

- European Waste Code: 08 03 18

### Disposal considerations

- No special precautions are required for this product
- Landfill is the recommended method of disposal
- If incineration is to be carried out, care must be exercised to prevent dust clouds forming

### **13 Disposal considerations (....)**

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### **14 Transport information**

- Not classified as hazardous for transport
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### **15 Regulatory information**

#### Classification and labelling

- Not classified as hazardous for supply
  - No transport or user labelling is required
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### **16 Other information**