
SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking

Product Name: **TONER TYPE T/1075/1090/4050/4250/4090/4450/5088/DocuTech 90/DocuPrint 390/5388/5680/5692/5892**
Datasheet Number: 3-1015 4. 0. 0
Product Part Number: 6R303, 6R90131, 6R90149
Chemical Name: None



Name of Supplier: Xerox Ltd.
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Emergency Telephone: Not applicable

2 Hazards identification

- Harmful to aquatic organisms (R52)

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Styrene/n-butyl methacrylate polymer	90-95%	25213-39-2		None	None
Carbon black	3-8%	1333-86-4	215-609-9	None	None
Quaternary ammonium salt	<2%	3843-16-1	223-336-1	None	None
Cetyl pyridinium chloride	<1%	123-03-5	204-593-9	R22, R36/37/38, R41, R50	Xi, Xn, N

*See Section 16

4 First aid measures

Contact with skin

- Wash with soap and cold water

Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water

Ingestion

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

Inhalation

- Remove patient to fresh air

5 Fire-fighting measures

- Flash point - not applicable
 - Explosive Limits: Test data show that lower explosive limits are approximately 0.1kg/m³; upper limits are not well defined but could be up to 2kg/m³. 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
 - Auto-ignition point - not known
 - 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

Special Precautions

- Do not allow to enter public sewers and watercourses
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7 Handling and storage

Handling

- No special precautions are required for this product

Storage

- Keep in a cool, dry place
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8 Exposure controls and personal protection

Exposure Limits

- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 5 mg/m³ (8hr TWA) total respirable dust
- Xerox Exposure Limits: 2.5 mg/m³ (8hr TWA) total inhalable dust; 0.4 mg/m³ (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: Odourless
 - pH - not applicable
 - Vapour pressure - not applicable
 - Vapour density - not applicable
 - Melting point - not known
 - Insoluble in water
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9 Physical and chemical properties (....)

- Specific gravity (water=1) ~ 1.1
 - Flash point - not applicable
 - Auto-ignition point - not known
 - Explosive Limits: Test data show that lower explosive limits are approximately 0.1kg/m³; upper limits are not well defined but could be up to 2kg/m³. 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
 - Bulk density ~ 0.5 g/cm³
 - Particle size: 11.4 +/- 1.0 microns (mean diameter by volume)
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10 Stability and reactivity

- Stable
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11 Toxicological information

Toxicological information

- LC50 (inhalation, rat) >5g/m³, no evidence of acute inhalation toxicity
- No evidence of sub-chronic (90 day) inhalation toxicity
- LD50 (oral, rat) >10 g/kg, no evidence of acute oral toxicity
- LD50 (skin, rabbit) >2 g/kg, no evidence of acute dermal toxicity
- Mildly irritating to rabbit skin (score 0.34)
- Not a skin sensitiser (guinea pig skin)
- Mildly irritating, non-sensitising in human patch test
- Temporarily irritating to rabbit eye mucosa; mildly without wash and minimally if washed with water after instillation

Carcinogenicity

- No evidence of carcinogenic potential (BALB/3T3 cell transformation negative)

Teratogenicity

- No evidence of inhalation teratology (rats)

Mutagenicity

- No evidence of mutagenicity (Ames, mouse lymphoma, CHO/SCE, mouse micronucleus all negative)
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12 Ecological information

Ecotoxicity

- Harmful to aquatic organisms (R52)
- LC50 (trout) 820 mg/l
- EC50 (Daphnia magna) 20 mg/l

Mobility

- Insoluble in water

Persistence and Biodegradability

- Not readily biodegradable

Bioaccumulation Potential

- Bioaccumulation is insignificant
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13 Disposal considerations

Classification

- European Waste Code: 08 03 17*

Disposal considerations

- Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - If incineration is to be carried out, care must be exercised to prevent dust clouds forming
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14 Transport information

- Not classified as hazardous for transport
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15 Regulatory information

Applicable Laws

- This product is covered by The Dangerous Preparations Directive (1999/45/EC) as amended

Risk Phrases

- Harmful to aquatic organisms (R52)

Safety Phrases

- Avoid release to the environment. Refer to special instructions/Safety data sheets (S61)
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16 Other information

Text of R and S phrase codes used in this safety data sheet:- R22: Harmful if swallowed; R36/37/38: Irritating to eyes, respiratory system and skin; R41: Risk of serious damage to eyes; R50: Very toxic to aquatic organisms.