SAFETY DATA SHEET

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

Product Name: **DocuPrint N4525, Phaser 4510 Toner**
Datasheet Number: 3-1144 1. 2. 0
Product Part Number: 113R00195, 113R00711, 113R00712, 113R00715
Chemical Name: None

Name of Supplier: Xerox Ltd.
Address of Supplier: Xerox Environment, Health & Safety
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
Iron oxide	>48%	1309-38-2	215-169-8	None	None
Polyester resin	40-50%	Confidential		None	None
Polypopylene wax	<5%	9003-07-0		None	None
Polymeric mixture	<5%	26299-47-8/9003-07-0/9002-88-4		None	None
Additives	<2%	-	-	None	None

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

- 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, Not flammable
- 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
- Products of combustion include oxides of carbon and toxic organic fumes

5 Fire-fighting measures (....)

- In case of fire use water, foam, carbon dioxide or dry agent

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

7 Handling and storage

Handling

- No special precautions are required for this product

Storage

- Keep in a cool, dry place

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

Occupational exposure controls

- No special requirements

Precautionary measures

- No special precautions are required for this product

9 Physical and chemical properties

- Appearance: Black powder
- Odour: Slight odour
- pH - not applicable
- Vapour pressure - not applicable
- Vapour density - not applicable
- Insoluble in water
- Specific gravity (water=1) ~1
- Flash point - not applicable, Not flammable
- 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
- Softening point 43.3-60°C

10 Stability and reactivity

- Stable
- Conditions to avoid: None known

11 Toxicological information

Toxicological information

- LD50 (oral, rat) >5 g/kg, no evidence of acute oral toxicity
- May cause slight eye irritation
- Not a skin irritant (rabbit skin)
- Not a skin sensitiser (guinea pig 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 indicate no evidence of acute inhalation toxicity

Carcinogenicity

- Carcinogens: None present

Mutagenicity

- No evidence of mutagenicity in Ames test

12 Ecological information

Ecotoxicology

- Presents little or no hazard to the environment

Environmental Fate

- This substance is not readily biodegradable
- Insoluble in water

Environmental Hazard Values

- LC50 (fish) >500 mg/l (96 hr)

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

14 Transport information

- Not classified as hazardous for transport

15 Regulatory information

Classification and labelling

- Not classified as hazardous for supply
- No transport or user labelling is required

16 Other information