

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 as amended

SDS # : A-10413

Toner - Black

Issuing Date 2019-02-19

Revision Date 2019-02-19

Version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product Identifier**

Product Name **Toner** for Oki B431, Oki B431D, Oki B431DN, Oki MB491
Part no. 006R03173

Colour Black

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Xerographic printing

1.3 Details of the supplier of the safety data sheet

Supplier Xerox Ltd.
Xerox Environment, Health, Safety & Sustainability
Monroe House
Works Road
Letchworth
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E-mail address ehs-europe@xerox.com

For the most current document <https://safetydatasheets.business.xerox.com>

1.4 Emergency telephone number

Not applicable

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

2.2 Label elements

None

2.3 Other hazards

Not a PBT according to REACH Annex XIII
May form explosible dust-air mixture if dispersed

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

| Chemical Name | Weight % | CAS No. | EC-No | Classification (Reg. 1272/2008) | Hazard Statements | REACH Registration Number |
|------------------|----------|-------------|------------|---------------------------------|-------------------|---------------------------|
| Polyester resin | 80-90 | Proprietary | Not listed | -- | -- | -- |
| Amorphous silica | 1-5 | 7631-86-9 | 231-545-4 | -- | -- | -- |
| Carbon black | 0.1-5 | 1333-86-4 | 215-609-9 | -- | -- | 01-2119384822-32-0065 |
| Wax | 1-7 | Proprietary | Not listed | -- | -- | -- |

Note

Components marked as "Not Listed" are exempt from registration.

"--" indicates no classification or hazard statements apply.

Where no REACH registration number is listed, it is considered confidential to the Only Representative.

4. FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice | For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes |
| Skin contact | Wash skin with soap and water |
| Inhalation | Move to fresh air |
| Ingestion | Rinse mouth with water and afterwards drink plenty of water or milk |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|-------------------------|----------------------------------------------------------------------------------|
| Acute toxicity | |
| Eyes | No known effect |
| Skin | No known effect |
| Inhalation | No known effect |
| Ingestion | No known effect |
| Chronic effects | |
| Chronic toxicity | No known effects under normal use conditions |
| Main symptoms | Overexposure may cause: mild respiratory irritation similar to nuisance dust. |

4.3 Indication of immediate medical attention and special treatment needed

| | |
|-----------------------------------|------------------------------------------|
| Protection of first-aiders | No special protective equipment required |
| Notes to physician | Treat symptomatically |

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

| | |
|-------------------------------------|-----------------------------------------------------------|
| Suitable extinguishing media | Use water spray or fog; do not use straight streams, Foam |
|-------------------------------------|-----------------------------------------------------------|

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Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

5.3 Advice for fire-fighters

In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins. Wear self-contained breathing apparatus and protective suit.

Other information

| | |
|---------------------|----------------|
| Flammability | Not flammable |
| Flash point | Not applicable |

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing dust

6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and material for containment and cleaning up

| | |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Methods for containment | Prevent dust cloud |
| Methods for cleaning up | Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove |

6.4 Reference to other sections

The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice, Avoid dust accumulation in enclosed space, Prevent dust cloud

| | |
|-------------------------|----------------------------------|
| Hygiene measures | None under normal use conditions |
|-------------------------|----------------------------------|

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7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place, Store at room temperature

7.3 Specific end uses

Xerographic printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

| | |
|-----------------------------|-----------------------------------------|
| Xerox Exposure Limit | 2.5 mg/m ³ (total dust) |
| Xerox Exposure Limit | 0.4 mg/m ³ (respirable dust) |

8.2 Exposure controls

| | |
|-----------------------------|----------------------------------|
| Engineering measures | None under normal use conditions |
|-----------------------------|----------------------------------|

Personal protective equipment

| | |
|---------------------------------|------------------------------------------|
| Eye/face protection | No special protective equipment required |
| Hand protection | No special protective equipment required |
| Skin and body protection | No special protective equipment required |
| Respiratory protection | No special protective equipment required |
| Thermal hazards | None under normal processing |

Environmental Exposure Controls Keep out of drains, sewers, ditches and waterways

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | | | |
|------------------------------------|---------------------------|------------------------|----------------|
| Appearance | Powder | Odour | Faint |
| Physical state | Solid | Odour threshold | Not applicable |
| Colour | Black | pH | Not applicable |
| | | | |
| Flash point | Not applicable | | |
| Boiling point/boiling range | Not applicable | | |
| Softening point | 49 - 60 °C / 120 - 140 °F | | |
| | | | |
| Evaporation rate | Not applicable | | |
| Flammability | Not flammable | | |
| Flammability Limits in Air | Not applicable | | |
| | | | |
| Explosive Limits | No data available | | |
| | | | |
| Vapour pressure | Not applicable | | |
| Vapour density | Not applicable | | |
| Specific gravity | ~ 1 | | |
| Water solubility | Negligible | | |
| Partition coefficient | Not applicable | | |

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| | |
|----------------------------------|----------------|
| Autoignition temperature | Not applicable |
| Decomposition temperature | Not determined |
| Viscosity | Not applicable |

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Explosive properties | Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard |
| Oxidising properties | Not applicable |

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

| | |
|---------------------------------|-----------------------------------------|
| Hazardous reactions | None under normal processing |
| Hazardous polymerisation | Hazardous polymerisation does not occur |

10.4 Conditions to avoid

Prevent dust cloud, Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

10.5 Incompatible Materials

None

10.6 Hazardous decomposition products

None under normal use

11. TOXICOLOGICAL INFORMATION

The toxicity data noted below is based on the test results of similar reprographic materials.

11.1 Information on toxicological effects

Acute toxicity

Product Information

| | |
|------------------------|---------------------------------------|
| Irritation | No skin irritation, No eye irritation |
| Oral LD50 | > 5 g/kg (rat) |
| Dermal LD50 | > 5 g/kg (rabbit) |
| LC50 Inhalation | > 5 mg/L (rat, 4 hr) |

Chronic toxicity

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Product Information

Chronic effects
Carcinogenicity
Other information

No known effects under normal use conditions
 Not classifiable as a human carcinogen
 The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

Other toxic effects

Product Information

Sensitisation
Mutagenic effects
Reproductive toxicity

No sensitisation responses were observed
 Not mutagenic in AMES Test
 This product does not contain any known or suspected reproductive hazards

Target organ effects

None known

Other adverse effects
Aspiration Hazard

None known
 Not applicable

12. ECOLOGICAL INFORMATION

12.1 Toxicity

On available data, the mixture / preparation is not harmful to aquatic life

12.2 Persistence and degradability

Not readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

12.4 Mobility in soil

Insoluble in water

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

The environmental impact of this product has not been fully investigated. However, this preparation is not expected to present significant adverse environmental effects.

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13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Disposal Method | Can be landfilled or incinerated, when in compliance with local regulations If incineration is to be carried out, care must be exercised to prevent dust clouds forming. |
| EWC Waste Disposal No. | 08 03 18 |
| Other information | Although toner is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways. |

14. TRANSPORT INFORMATION**14.1 UN/ID No**

Not regulated

14.2 Proper shipping name

Not regulated

14.3 Transport hazard class(es)

Not classified

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Presents little or no hazard to the environment

14.6 Special precautions for users

No special precautions are needed in handling this material

14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

15.2 Chemical Safety Assessment

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

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16. OTHER INFORMATION

| | |
|----------------------|-----------------|
| Issuing Date | 2019-02-19 |
| Revision Date | 2019-02-19 |
| Revision Note | Initial Release |

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 as amended.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.