SAFETY DATA SHEET
generated by Xerox

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

SDS # : A-10158

Toner - Black

Issuing Date 2016-07-07 Revision Date 2018-09-26 Version 2

European Version Only

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name Toner for Brother DCP-L8400, Brother DCP-L8450, Brother HL-8250, Brother HL-L8350, Brother MFC-L8600, Brother MFC-L8650, Brother MFC-L8850

Part no. 006R03395, 006R03399

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
Herts. SG61LN
UK

For further information, please contact

Contact person Manager, Environment, Health, Safety & Sustainability

Phone ++44 (0)1707 353434

Fax -

E-mail address ehs-europe@xerox.com

1.4 Emergency telephone number

Not applicable

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified According to Regulation (EC) No 1272/2008

2.2 Label elements

Contains Rosin fumarated, May produce an allergic reaction

2.3 Other hazards

Contains a chemical that can cause an allergic reaction in susceptible people
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS No.</th>
<th>EC-No</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene/acrylate copolymer</td>
<td>85-90</td>
<td>Proprietary</td>
<td>Not listed</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>1-5</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Polyolefin</td>
<td>1-5</td>
<td>9010-79-1</td>
<td>Not listed</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1-5</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>--</td>
<td>--</td>
<td>01-2119384822-32-0065</td>
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<tr>
<td>Solvent black dye</td>
<td>0.1-5</td>
<td>8005-02-5</td>
<td>616-851-1</td>
<td>Acute Tox. 3 (oral, derm, inhal)</td>
<td>H301</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens 1</td>
<td>H331</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam 1</td>
<td>H317</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Mut 2</td>
<td>H318</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carc 2</td>
<td>H341</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT RE 1</td>
<td>H351</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Aqua 1</td>
<td>H372</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H400</td>
<td></td>
</tr>
<tr>
<td>Fumerated rosin</td>
<td>0.1-0.99</td>
<td>65997-04-8</td>
<td>266-040-8</td>
<td>Eye Dam. 1</td>
<td>H317</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H318</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H- statements: see section 16

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

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

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Black</td>
</tr>
<tr>
<td>Odour</td>
<td>Faint</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Softening point</td>
<td>49 - 60 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>120 - 140 °F</td>
</tr>
</tbody>
</table>
**SDS # : A-10158**

**Toner - Black**

**Issuing Date** 2016-07-07  
**Revision Date** 2018-09-26  
**Version** 2

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>~ 1</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Reaction</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous reactions</td>
<td>None under normal processing</td>
</tr>
<tr>
<td>Hazardous polymerisation</td>
<td>Hazardous polymerisation does not occur</td>
</tr>
</tbody>
</table>

**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

Product Information

Chronic effects
No known effects under normal use conditions

Carcinogenicity
Not classifiable as a human carcinogen

Other information
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
Contains a chemical that can cause an allergic reaction in susceptible people

Mutagenic effects
Not mutagenic in AMES Test

Reproductive toxicity
This product does not contain any known or suspected reproductive hazards

Target organ effects
None known

Other adverse effects
None known

Aspiration Hazard
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.

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

Not classified According to Regulation (EC) No 1272/2008

Labelling
Contains Rosin fumarated, May produce an allergic reaction

15.2 Chemical Safety Assessment

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

16. OTHER INFORMATION

Issuing Date 2016-07-07
Revision Date 2018-09-26
Revision Note (M)SDS sections updated

Full text of H-Statements referred to under sections 2 and 3
H301 + H311 + H331 - Toxic if swallowed, in contact with skin or if inhaled
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H341 - Suspected of causing genetic defects
H351 - Suspected of causing cancer
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life

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.