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

SDS # : A-10190

Toner - Black, Cyan, Magenta, Yellow

Issuing Date 2017-01-09  Revision Date 2017-01-09  Version 1

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

Product identifier

Product Name
Toner for HP Color LaserJet Enterprise M552, HP Color LaserJet Enterprise M553, HP Color LaserJet Enterprise MFP M577 Series
Part no. 006R03465, 006R03466, 006R03467, 006R03468, 006R03469, 006R03470, 006R03471, 006R03472

Colour
Black, Cyan, Magenta, Yellow

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
Bessemer Road
Welwyn Garden City
Herts. AL7 1HE
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

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

No hazard expected under normal conditions of use
3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 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>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene acrylate polymer</td>
<td>70-80</td>
<td>25085-34-1</td>
<td>-</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>1-10</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>1-10</td>
<td>Proprietary</td>
<td>Listed</td>
<td>None</td>
<td>01-2119456804-33-00</td>
</tr>
<tr>
<td>Cyan pigment</td>
<td>1-10</td>
<td>Proprietary</td>
<td>Listed</td>
<td>None</td>
<td>01-2119458771-32-00</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1-10</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>None</td>
<td>01-2119384822-32-00</td>
</tr>
<tr>
<td>Wax</td>
<td>1-10</td>
<td>Proprietary</td>
<td>-</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Yellow pigment</td>
<td>1-10</td>
<td>Proprietary</td>
<td>Listed</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

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. FIRE-FIGHTING 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

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

5.3 Special protective actions 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

<table>
<thead>
<tr>
<th>Flammable properties</th>
<th>Not flammable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)</td>
</tr>
</tbody>
</table>

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

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

None

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

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xerox Exposure Limit (total dust)</td>
<td>2.5 mg/m³</td>
</tr>
<tr>
<td>Xerox Exposure Limit (respirable dust)</td>
<td>0.4 mg/m³</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Engineering measures

<table>
<thead>
<tr>
<th>Measures</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Eye/face protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>No special protective equipment required</td>
</tr>
<tr>
<td>Hand protection</td>
<td>No special protective equipment required</td>
</tr>
</tbody>
</table>

8.3 Individual protection measures, such as personal protective equipment (PPE)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic 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>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>Softening point</td>
<td>49 - 60 ºC / 120 - 140 ºF</td>
</tr>
<tr>
<td>Odour</td>
<td>Faint</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>Black, Cyan, Magenta, Yellow</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>Not determined</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>~ 1</td>
</tr>
</tbody>
</table>

9.2 Other information

Explosive properties

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

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>Hazardous reactions</th>
<th>None under normal processing</th>
</tr>
</thead>
<tbody>
<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 to avoid

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

<table>
<thead>
<tr>
<th>Product Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritation</td>
</tr>
<tr>
<td>Oral LD50</td>
</tr>
<tr>
<td>Dermal LD50</td>
</tr>
<tr>
<td>LC50 Inhalation</td>
</tr>
</tbody>
</table>

Chronic toxicity

<table>
<thead>
<tr>
<th>Product Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chronic effects</td>
</tr>
<tr>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>Other information</td>
</tr>
</tbody>
</table>

No known effects under normal use conditions

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

<table>
<thead>
<tr>
<th>Product Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitisation</td>
</tr>
<tr>
<td>Mutagenic effects</td>
</tr>
<tr>
<td>Target organ effects</td>
</tr>
</tbody>
</table>
Other adverse effects
None known
Aspiration Hazard
Not applicable

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Acute Aquatic Toxicity
On available data, substance is not harmful to aquatic life.

Chronic Aquatic Toxicity
On available data, substance 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

Presents little or no hazard to the environment

13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations

Waste Disposal Method
No special precautions are needed in handling this material

EWC Waste Disposal No.
08 03 18

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

Not applicable

16. OTHER INFORMATION

Issuing Date 2017-01-09
Revision Date 2017-01-09
Revision Note Initial Release

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

Disclaimer

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