Safety Data Sheet

SDS #: A-1079

Toner - Magenta

Issuing Date 2010-01-21  Revision Date 2019-06-10  Version 5.01

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

Product Identifier

Product Name
Toner

Pure substance/mixture
Mixture

Recommend Use
Xerographic printing

Details of the supplier of the safety data sheet

Manufactured by
Xerox Corporation
Webster, NY 14580

For further information, please contact
Contact person
Manager, Environment, Health, Safety & Sustainability
E-mail address
askxerox@xerox.com
Emergency telephone
Safety Information US: (800) 275-9376
Chemical Emergency only (Chemetec) (800) 424-9300

For the most current document
https://safetysheets.business.xerox.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Customer use / Cartridges and sealed bottles

OSHA Hazard Classification
This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing.

While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

Label elements

Signal Word
None
Hazard Statements
None required

Precautionary Statements
None required

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resin</td>
<td>Proprietary</td>
<td>70-90</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Paraffin Wax</td>
<td>8002-74-2</td>
<td>1-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>Proprietary</td>
<td>1-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>Proprietary</td>
<td>1-5</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>&lt;1</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

"--" indicates no classification or hazard statements apply.
Components marked as "Not Listed" are exempt from registration.
Where no REACH registration number is listed, it is considered confidential to the Only Representative.

4. FIRST AID MEASURES

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 material 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

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

Main symptoms
Overexposure may cause:
mild respiratory irritation similar to nuisance dust.

Aggravated Medical Conditions
None under normal use conditions

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

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

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.

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

**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. Will not readily ignite. |
| Flash point  | Not applicable                             |

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures
Avoid breathing dust

#### Environmental precautions
No special environmental precautions required

#### 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

**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

#### Precautions for safe handling
Advice on 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

#### Conditions for safe storage, including any incompatibilities
Technical measures and storage Keep container tightly closed in a dry and well-ventilated place, Store at room temperature conditions

Incompatible products None

#### Specific end uses
Xerographic printing

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

##### Exposure Limits

<table>
<thead>
<tr>
<th>ACGIH TLV TWA</th>
<th>10 mg/m³ (inhalable particles)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TLV TWA</td>
<td>3 mg/m³ (respirable dust)</td>
</tr>
</tbody>
</table>
OSHA PEL TWA 15 mg/m³ (total dust)  
OSHA PEL TWA 5 mg/m³ (respirable dust)  
Xerox Exposure Limit 2.5 mg/m³ (total dust)  
Xerox Exposure Limit 0.4 mg/m³ (respirable dust)  

### Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin Wax</td>
<td>TWA: 2 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 15 mg/m³</td>
</tr>
</tbody>
</table>

### Exposure controls

**Engineering measures**  
None under normal use conditions

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

- **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**: None under normal processing  
- **Thermal hazards**: None under normal processing  

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 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>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Magenta</td>
</tr>
<tr>
<td>Odor</td>
<td>Faint</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting / Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point/Range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Softening point</td>
<td>49 - 60 °C / 120 - 140 °F</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not flammable. Will not readily ignite.</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor 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>Oxidizing properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### Other information

None

## 10. STABILITY AND REACTIVITY
Reactivity
No dangerous reaction known under conditions of normal use

Chemical stability
Stable under normal conditions.

Possibility of hazardous reactions
Hazardous reactions: None under normal processing
Hazardous polymerization: Hazardous polymerization does not occur

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

Incompatible Materials
None

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.

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)

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50 Inhalation</th>
<th>Dermal LD50</th>
<th>Oral LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin Wax</td>
<td>3600 mg/kg (rabbit)</td>
<td>5000 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Amorphous silica</td>
<td>&gt;2.2 mg/L (rat) 1 h</td>
<td>&gt;2000 mg/kg (rabbit)</td>
<td>&gt;50000 mg/kg (rat)</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td></td>
<td>10000 mg/kg (rat)</td>
</tr>
</tbody>
</table>

Chronic toxicity
   Sensitization: No sensitization responses were observed
   Neurological Effects: No information available
   Target organ effects: None known

CMR Effects
   Mutagenic effects: Not mutagenic in AMES Test
   Reproductive toxicity: This product does not contain any known or suspected reproductive hazards
   Carcinogenicity: See "Other Information" in this section.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NTP</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td>2B</td>
</tr>
</tbody>
</table>

Other information
The IARC (International Agency for Research on Cancer) has listed titanium dioxide as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of titanium dioxide in this mixture does not present a health hazard. The IARC classification is based on studies in rats using high concentrations of pure, unbound TiO₂ particles of respirable size. The Titanium Dioxide Industry REACH Consortium has concluded that these effects were species-specific, attributable to lung overload and not specific to TiO₂, i.e. similar effects would also be seen for other low solubility dusts. Toxicological and epidemiological studies do not suggest a carcinogenic effects in humans. In addition, the titanium dioxide in this mixture is
encapsulated in a matrix or bound to the surface of the toner.

Other toxic effects
- Aspiration Hazard: Not applicable
- Other adverse effects: None known

12. ECOLOGICAL INFORMATION

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

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica</td>
<td>440 mg/L EC50 72 h (Pseudokirchneriella subcapitata)</td>
<td>LC50= 5000 mg/L Brachydanio rerio 96 h</td>
<td>EC50 = 7600 mg/L 48 h</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
- Not readily biodegradable

Bioaccumulative potential
- Bioaccumulation is unlikely

Mobility in soil
- Insoluble in water

Other adverse effects
- Presents little or no hazard to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
- Waste Disposal Methods: 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.

- Contaminated packaging: No special precautions are needed in handling this material

- 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

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Regulatory Status
This product is an article which contains a mixture / preparation in powder form. Safety information is given for exposure to the article as sold and used by the customer. Intended use of the product is not expected to result in exposure to the mixture / preparation based on the packaging and method of dispensing. While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made
available to employees and other users of this product.

Canada
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

International Inventories

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Complies</td>
</tr>
</tbody>
</table>

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Clean Water Act
This product is not regulated as a pollutant pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
Titanium dioxide is regulated under California Proposition 65 only if a product results in exposure in the form of “airborne, unbound particles of respirable size”. Toner products do not result in exposure to titanium dioxide in the form of “airborne, unbound particles of respirable size”. Therefore, the requirements of Proposition 65 do not apply to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations
Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

16. OTHER INFORMATION

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Issuing Date</td>
<td>2010-01-21</td>
</tr>
<tr>
<td>Revision Date</td>
<td>2019-06-10</td>
</tr>
<tr>
<td>Revision Note</td>
<td>(M)SDS sections updated; 3</td>
</tr>
</tbody>
</table>

Disclaimer
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