SAFETY DATA SHEET

1. Identification of the chemical and information about the manufacturer or supplier

1.1 Identification of the chemical products

1.1.1 Technical name
HP Color LaserJet W9001MC Cyan Print Cartridge

Other means of identification
None.

1.1.2 Recommended use of the chemical and restrictions on use

Recommended use
This product is a cyan toner preparation that is used in HP color LaserJet E65050/HP color LaserJet E65060 series printers.

Limitations on use
None known.

1.2 Manufacturer/Importer/Supplier/Distributor information

1.2.1 Manufacturer
ZAO Hewlett-Packard A.O.
Highway Leningradskoe, House 16A, Building 3,
125171, Moscow

Telephone
7 495 797-3500

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048

HP Inc. Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551

Email:
hpcustomer.inquiries@hp.com

2. Hazard(s) identification

2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

Classification according to
GOST 12.1.007-76
Not available.

GHS classification

Physical hazards
Not classified.

Health hazards
Not classified.

Environmental hazards
Not classified.

2.2 Labeling elements in compliance with GOST 31340-2013

2.2.1 Signal word
None.

2.2.2 Symbols
None.

2.2.3 Hazard statement
Not available.

Precautionary statement

Prevention
Not available.

Response
Not available.

Storage
Not available.

Disposal
Not available.

Other hazards
None of the ingredients have been classified as carcinogens according to EU, IARC, MAK, NTP, OSHA or ACGIH.

Supplemental information
None.

3. Composition/information on ingredients

3.1 Information on product as a whole

3.1.1 Chemical name (IUPAC)
W9001MC

3.1.2 Chemical formula
O2-Ti (13463-67-7), O2-Ti (13463-67-7)
3.1.3 General description of the composition (taking into account the brand assortment; preparation method)

3.2 Components

<table>
<thead>
<tr>
<th>Components</th>
<th>Concentration by weight (%)</th>
<th>Hygienic standards in the working area</th>
<th>Hazard classification</th>
<th>CAS-No.</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>MAC, mg/m³</td>
<td>TSEL, mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Styrene acrylate copolymer</td>
<td>&lt;85</td>
<td></td>
<td></td>
<td></td>
<td>CBI</td>
</tr>
<tr>
<td>Wax</td>
<td>&lt;10</td>
<td></td>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>Pigment</td>
<td>&lt;5</td>
<td></td>
<td></td>
<td></td>
<td>CBI</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>&lt;1</td>
<td></td>
<td>10</td>
<td>13463-67-7</td>
<td>236-675-5</td>
</tr>
</tbody>
</table>

4. First-aid measures

4.1. Observed symptoms

4.1.1 In case of exposure via inhalation
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

4.1.2 In contact with skin
Contact with skin may result in mild irritation.

4.1.3 In contact with eyes
Contact with eyes may result in mild irritation.

4.1.4 In case of exposure via ingestion
Ingestion is not a likely route of exposure.

4.2 First-aid measures to be provided to victims

4.2.1 In case of exposure via inhalation
Move person to fresh air immediately. If irritation persists, consult a physician.

4.2.2 In contact with skin
Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

4.2.3 In contact with eyes
Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, consult a physician.

4.2.4 In case of exposure via ingestion
Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician.

4.2.5 Contraindications
Not available.

5. Fire-fighting and explosion safety measures and means

5.1 General characteristics of fire-explosion properties
Not available.

5.2 Fire-explosion indicators
Not available.

5.3 Combustion and/or thermal destruction products and hazards arising from these
Not available.

5.4 Recommended extinguishing media
CO₂, water, or dry chemical

5.5 Forbidden extinguishing media
None known.

5.6 Special protective equipment for firefighters
Not available.

5.7 Specific extinguishing methods
None established.

Special fire fighting procedures
If fire occurs in the printer, treat as an electrical fire.

6. Accident and emergency prevention and response measures and their consequences

6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies

6.1.1 General required actions in case of an accident or emergency
Minimize dust generation and accumulation.

6.1.2 Personal protection equipment in case of the accident
Not available.
6.2 Procedures for the elimination of accidents and emergencies

6.2.1 Procedures in case of leaks, spills, splashes
Slowly vacuum or sweep the material into a bag or other sealed container. Clean remainder with a damp cloth or vacuum cleaner. If a vacuum is used, the motor must be rated as dust explosion-proof. Fine powder can form explosive dust-air mixtures. Dispose of in compliance with federal, state, and local regulations.

6.2.2 Actions in case of fire
Environmental precautions
Not available.

7. Storage and handling requirements of chemicals during loading and unloading

7.1 Safety precautions when handling chemical products

7.1.1 Technical safety measures
Not available.

7.1.2 Environmental protection measures
Not available.

7.1.3 Recommended safe handling and transportation advice
Keep out of the reach of children. Avoid inhalation of dust and contact with skin and eyes. Use with adequate ventilation. Keep away from excessive heat, sparks, and open flames.

7.2 Chemical storage requirements

7.2.1 Terms and conditions for safe storage
Not available.

7.2.2 Packaging
Not available.

7.3 Safety measures and storage requirements at domestic use
Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers.

8. Equipment for monitoring exposure and personal protective equipment

8.1 Parameters of the working area that require monitoring
No exposure limits noted for ingredient(s).

Occupational exposure limits
Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m3</td>
<td>Aerosol.</td>
</tr>
</tbody>
</table>

8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration

USA OSHA (TWA/PEL): 15 mg/m3 (Total Dust), 5 mg/m3 (Respirable Fraction)
ACGIH (TWA/TLV): 10 mg/m3 (Inhalable Particulate), 3 mg/m3 (Respirable Particulate)
Amorphous silica: USA OSHA (TWA/PEL): 20 mppcf 80 (mg/m3)/%SiO2, ACGIH (TWA/TLV): 10 mg/m3
TRGS 900 (Luftgrenzwert) - 10 mg/m3 (Einatembare partikel), 3 mg/m3 (Alveolengängige fraktion)
UK WEL: 10 mg/m3 (Respirable Dust), 5 mg/m3 (Inhalable Dust)

Appropriate engineering controls

8.3 Worker personal protective equipment

8.3.1 General recommendations
No personal respiratory protective equipment required under normal conditions of use.

8.3.2 Respiratory protection
Not available.

8.3.3 Protective equipment

Eye/face protection
Not available.

Hand protection
Not available.

Other
Not available.

Thermal hazards
Not available.

8.3.4 Personal protection equipment in case of domestic use
Not applicable.

9. Physical and chemical properties

9.1 Physical appearance
Fine powder

Physical state
Solid.
Form: solid
Color: Cyan
Odor: Slight plastic odor
Odor threshold: Not available.

9.2 Parameters characterizing basic properties of the product

pH: Not applicable
Melting point/freezing point: Not available.
Initial boiling point and boiling range: Not applicable
Flash point: Not applicable
Auto-ignition temperature: Not applicable
Decomposition temperature: > 392 °F (> 200 °C)
Upper/lower flammability or explosive limits
Flammability limit - lower (%): Not flammable
Flammability limit - upper (%): Not available.

Vapor pressure: Not applicable
Vapor density: Not applicable
Viscosity: Not applicable
Solubility(ies)
Solubility (water): Negligible in water. Partially soluble in toluene and xylene.
Partition coefficient (n-octanol/water): Not available.
Other data
Evaporation rate: Not applicable
Oxidizing properties: No information available.
Percent volatile: 0 % estimated
Softening point: 176 - 266 °F (80 - 130 °C)
Specific gravity: 1 - 1.2

10. Stability and reactivity

10.1 Chemical stability
Stable under normal storage conditions.
Hazardous decomposition products
Carbon monoxide and carbon dioxide.

10.2 Reactivity
Not available.

10.3 Conditions to avoid
Imaging Drum: Exposure to light
Possibility of hazardous reactions
Will not occur.
Incompatible materials
Strong oxidizers

11. Toxicological information

11.1 General exposure characteristics
Not available.
11.2 Routes of exposure
Not available.

11.3 Affected/target organs, tissues and systems of humans

Specific target organ toxicity - single exposure
Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure
Based on available data, the classification criteria are not met.

11.4 Information on health hazards in case of direct exposure to the product and its effect
Effect on upper respiratory tract irritation
Not available.
Respiratory or skin sensitization

Material name: W9001MC
14379    Version #: 01    Issue date: 11-Aug-2017
Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Not listed.

Respiratory sensitization Based on available data, the classification criteria are not met.
Skin sensitization Based on available data, the classification criteria are not met.
Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

11.5 Information on long-term hazardous health effects
Carcinogenicity Based on available data, the classification criteria are not met.
IARC Monographs. Overall Evaluation of Carcinogenicity
Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

Reproductive toxicity Based on available data, the classification criteria are not met.
Mutagenicity Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium) Based on available data, the classification criteria are not met.
Cumulativeness Not available.
Chronic effects Not available.

11.6 Acute toxicity data Based on available data, the classification criteria are not met.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>W9001MC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute LD50</td>
<td></td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

Further information Complete toxicity data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures.

12. Environmental impact information

12.1 General description of the impact on the environment Not available.

12.2 Routes of exposure to environment Not available.

12.3 The most important characteristics of the environmental impact

12.3.1 Hygienic standards Not available.

12.3.2 Ecotoxicity

<table>
<thead>
<tr>
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<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>W9001MC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Algae</td>
<td>ErC50</td>
<td>Algae &gt; 100 mg/l, 72 Hours</td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Crustacea &gt; 100 mg/l, 48 Hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish &gt; 100 mg/l, 96 Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
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<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia magna) &gt; 1000 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Mummichog (Fundulus heteroclitus) &gt; 1000 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes

Persistence and degradability Not available.
Bioaccumulative potential Not available.
Mobility in soil Not available.
Other adverse effects Not available.
13. Recommendations for waste (residues) disposal

13.1 Safety precautions when handling the waste generated during use, storage, transportation

Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

HP’s Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging

Not available.

13.3 Recommendation on the waste disposal generated during its domestic use

Not available.

14. Transport information

Further information

Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. National and international regulatory information

15.1 National legislation

15.1.1 Laws of the Russian Federation

Not available.

15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment

Sanitary-Epidemiological Rules,1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Titanium dioxide (CAS 13463-67-7) Aerosol with fibrogenic action.

Slightly hazardous.

15.2 International Conventions and Agreements

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

16.1 Information on revision of the SDS

Issue date 11-Aug-2017

Version # 01

Previous SDS number Not applicable.

Revision information 1. Product and Company Identification: Alternate Trade Names

3. Composition / Information on Ingredients: Disclosure Overrides

Toxicological Information: Toxicological Data

16.2 List of references used in compiling the safety data sheet

Not available.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.
### Explanation of abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>American Conference of Governmental Industrial Hygienists</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response Compensation and Liability Act</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>COC</td>
<td>Cleveland Open Cup</td>
</tr>
<tr>
<td>DOT</td>
<td>Department of Transportation</td>
</tr>
<tr>
<td>EPCRA</td>
<td>Emergency Planning and Community Right-to-Know Act (aka SARA)</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety and Health</td>
</tr>
<tr>
<td>NTP</td>
<td>National Toxicology Program</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>REC</td>
<td>Recommended</td>
</tr>
<tr>
<td>REL</td>
<td>Recommended Exposure Limit</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendments and Reauthorization Act of 1986</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>TCLP</td>
<td>Toxicity Characteristics Leaching Procedure</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>VOC</td>
<td>Volatile Organic Compounds</td>
</tr>
</tbody>
</table>