1. Chemical product and company identification

Product name: W1108Series

Company identification: China HP Co., Ltd.
5F, Block A, Bldg 1, #8
Guangshun Avenue South, Chaoyang district
Beijing, China
Zip code: 100102

Telephone: (+86) 10 5870 4833
Chemical Emergency Advisory Service Hotline: 400-626-7911

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

Recommended use and Limitations on use

Recommended use: Not available.
Limitations on use: Do not use with non compatible printer.

Issue date: 10-Apr-2019
Revision date: 10-Jun-2019
Supersedes date: 10-Apr-2019

2. Hazards identification

Hazard categories
Not classified.

Label elements
Pictograms: None.
Signal word: None.
Hazard statement: None.

Precautionary statement
Prevention: None.
Response: None.
Storage: None.
Disposal: None.

Other hazards
Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

GHS Supplemental information
None.
3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Concentration (%)</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene acrylate copolymer</td>
<td>&lt;85</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Paraffin waxes and Hydrocarbon waxes</td>
<td>&lt;10</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Carbon black</td>
<td>&lt;5</td>
<td>1333-86-4</td>
</tr>
</tbody>
</table>

4. First aid measures

**Inhalation**
Move person to fresh air immediately. If irritation persists, consult a physician.

**Skin contact**
Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

**Eye contact**
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.

**Ingestion**
Rinse mouth with water. Drink one to two glasses of water. DO NOT induce vomiting. Get medical attention immediately.

**Most important symptoms and health effects**
Difficulty in breathing. Coughing.

**Personal protection for first-aid responders**
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Notes to physician**
Treat symptomatically.

5. Fire-fighting measures

**Extinguishing media**
Dry chemical, foam, carbon dioxide, water fog.

**Extinguishing media to avoid**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards**
During fire, gases hazardous to health may be formed.

**Protection of fire-fighters**
Move containers from fire area if you can do so without risk.

**General fire hazards**
Firefighters should wear full protective clothing including self contained breathing apparatus.

**Specific methods**
Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. See Section 8 of the SDS for Personal Protective Equipment.

**Environmental precautions**
Avoid discharge into drains, water courses or onto the ground.

**Clean-up methods and materials and containment measures**
Avoid the generation of dusts during clean-up. Use explosion proof electric equipment. Collect dust using a vacuum cleaner equipped with HEPA filter. The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Sweep up or vacuum up spillage and collect in suitable container for disposal.

**Prevention of secondary hazards**
Not available.

7. Handling and storage

**Handling**
Minimize dust generation and accumulation. Use local exhaust ventilation. Avoid prolonged exposure. Practice good housekeeping.

**Storage**
Store in tightly closed original container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

**Exposure limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (CAS 1333-86-4)</td>
<td>PC-TWA</td>
<td>4 mg/m3</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Paraffin waxes and Hydrocarbon waxes</td>
<td>STEL</td>
<td>4 mg/m3</td>
<td>Fume.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>2 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>
Biological limit values
No biological exposure limits noted for the ingredient(s).

Engineering measures
Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

Personal protective equipment
Respiratory protection
No personal respiratory protective equipment required under normal conditions of use.

Hand protection
Rubber gloves are recommended. Wash hands after handling.

Eye protection
Wear safety glasses with side shields (or goggles).

Skin and body protection
Protection suit must be worn.

Hygiene measures
Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Appearance
Physical state
Not available.

Form
Solid. Fine powder

Color
Black.

Odor
Odorless

pH
Not available.

Melting point/freezing point
Not available.

Boiling point, initial boiling point, and boiling range
Not available.

Flash point
Not available.

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Not available.

Vapor density
Not available.

Solubility(ies)
Solubility (water)
Insoluble in water.

Solubility (other)
Partially soluble in toluene, chloroform and tetrahydrofuran

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
> 392 °F (> 200 °C)

Other data
Oxidizing properties
No information available.

10. Stability and reactivity

Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.

Stability
Stable under normal storage conditions.

Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

Conditions to avoid
Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

Incompatible materials
This product may react with strong oxidizing agents.
Hazardous decomposition products
Carbon monoxide and carbon dioxide.

11. Toxicological information

Acute toxicity
Based on available data, the classification criteria are not met.
LD50/oral/rat >5000 mg/kg.

Components
Species
Test Results

Carbon black (CAS 1333-86-4)

| Acute | Oral | LD50 | Rat | > 10000 mg/kg |

Routes of exposure
Not available.

Skin corrosion/irritation
Based on available data, the classification criteria are not met.
Not a known irritant. (OECD 404).

Serious eye damage/eye irritation
Based on available data, the classification criteria are not met.
Not a known irritant. (OECD 405).

Respiratory or skin sensitization

Respiratory sensitization
Not a respiratory sensitizer.

Skin sensitizer
This product is not expected to cause skin sensitization.

Germ cell mutagenicity
Based on available data, the classification criteria are not met.
Negative Ames Test (Test strains: Salmonella typhimurium).

Carcinogenicity
Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.

China OELs for hazardous agents in the workplace: Carcinogen Category

IARC Monographs. Overall Evaluation of Carcinogenicity
Carbon black (CAS 1333-86-4)
2B Possibly carcinogenic to humans.

Toxic to reproduction
This product is not expected to cause reproductive or developmental effects.

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

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

Aspiration hazard
Based on available data, the classification criteria are not met.

Chronic effects
Not available.

Other 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.

In a study in rats (H.Muhle) by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the concentration (16mg/m3) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animals in the middle (4mg/m3) exposure group. But no pulmonary changes was reported in the lowest (1mg/m3) exposure group, the most relevant level to potential human exposures.

In 1996, the IARC revaluated carbon black as a GROUP 2B carcinogen (possible human carcinogen). This evaluation is given to carbon black for which there is inadequate human evidence, but sufficient animal evidence. The latter is based upon the developer of lung tumors in rat receiving chronic inhalation exposures to free carbon black at level that induce particle overload of the lung. Studies performed in animal models other than rats have not demonstrated an association between carbon black and lung tumors. Moreover, a two-year cancer bioassay using a typical toner preparation containing carbon black demonstrated no association between toner exposure and tumor development in rats.

12. Ecological information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
13. Disposal considerations

Residual waste
Not available.

Contaminated packaging
Not available.

Local disposal regulations
Dispose of in compliance with federal, state, and local regulations. Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Do not put toner container into fire; heated toner may cause severe burns. Do not incinerate. Do not allow this material to drain into sewers/water supplies.

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.

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

ADR
Not regulated as dangerous goods.

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

15. Regulatory information

Applicable regulations

Occupational exposure limits for hazardous agents in the workplace (GBZ 2.1-2007)
Carbon black (CAS 1333-86-4)
Paraffin waxes and Hydrocarbon waxes (CAS Proprietary)

Classification and code of dangerous goods (GB 6944-2012)
Not regulated.

UN Recommendations on the Transport of Dangerous Goods (UN RTDG)
Not regulated.

Regulatory information
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.

16. Other information

References
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>