



SAFETY DATA SHEET

1. Product and company identification

Product name W9191MC
Company identification HP New Zealand
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Recommended use and Limitations on use

Recommended use This product is a cyan toner preparation that is used in HP Color LaserJet Managed MFP E77822, HP Color LaserJet Managed MFP E77825, HP Color LaserJet Managed MFP E77830 series printers.

2. Hazards identification

GHS classification

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.

Label elements

Symbols 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. This preparation contains no component classified as Persistent, Bioaccumulative, and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) as defined under Regulation (EC) 1907/2006.

Supplemental information None.

3. Composition/information on ingredients

Substance or mixture Mixture

| Chemical property | CAS Number | Concentration (%) |
|--------------------------------------|-------------|-------------------|
| Styrene acrylate copolymer | Proprietary | <90 |
| Paraffin waxes and Hydrocarbon waxes | Proprietary | <10 |

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 and 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. |
| Potential delayed effects | Not available. |
| Personal protection for first-aid responders | Not available. |
| Notes to physician | Not available. |

5. Fire-fighting measures

| | |
|--|---|
| Extinguishing media | Water spray, dry chemical, carbon dioxide. |
| Extinguishing media to avoid | None known. |
| HAZCHEM Code Number | None. |
| Specific hazards during fire fighting | Like most organic material in powder form, toner can form explosive dust-air mixtures when finely dispersed in air. |
| Special fire fighting procedures | If fire occurs in the printer, treat as an electrical fire. |
| Protection of fire-fighters | Wear self-contained breathing apparatus and protective clothing. Wear full set of protective equipment including chemical goggles and gloves. |
| Hazards from combustion products | None. |

6. Accidental release measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Avoid inhalation of dust. Wash thoroughly after dealing with a spillage. See Section 8 of the SDS for Personal Protective Equipment. Ensure adequate ventilation. Remove victim immediately from source of exposure. Emergency personnel should wear self-contained breathing apparatus. |
| Environmental precautions | Avoid spreading dust or contaminated materials. Avoid discharge into drains, water courses or onto the ground. |
| Spill cleanup methods | 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. |

7. Handling and storage

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|---|---|
| Handling | |
| Precautions | Not available. |
| Safe handling advice | Not available. |
| Prevention of fire and explosion | Not available. |
| Storage | |
| Suitable storage conditions | Keep out of reach of children. Wash hands after handling. When using, do not eat, drink or smoke. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Keep tightly closed and dry. Store at room temperature. |
| Incompatible materials | Not available. |

8. Exposure controls/personal protection

Exposure limits

New Zealand. WES. (Workplace Exposure Standards)

| Components | Type | Value | Form |
|--------------------------------------|------|---------|-------|
| Paraffin waxes and Hydrocarbon waxes | TWA | 2 mg/m3 | Fume. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|--------------------------------------|------|---------|-------|
| Paraffin waxes and Hydrocarbon waxes | TWA | 2 mg/m3 | Fume. |

UK. EH40 Workplace Exposure Limits (WELs)

| Components | Type | Value | Form |
|--------------------------------------|------|---------|-------|
| Paraffin waxes and Hydrocarbon waxes | STEL | 6 mg/m3 | Fume. |
| | TWA | 2 mg/m3 | Fume. |

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

| Components | Type | Value | Form |
|--------------------------------------|-------------|---------------------|-------------|
| Paraffin waxes and Hydrocarbon waxes | TWA | 2 mg/m ³ | Fume. |

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

| Components | Type | Value | Form |
|--------------------------------------|-------------|---------------------|-------------|
| Paraffin waxes and Hydrocarbon waxes | TWA | 2 mg/m ³ | Fume. |

Biological limit values No biological exposure limits noted for the ingredient(s).

Engineering controls**Personal protective equipment**

Respiratory protection Not available.

Skin protection Not available.

Eye/face protection Not available.

Radioactive or thermal hazards Not available.

Hygiene measures Not available.

9. Physical and chemical properties

| | |
|--|--|
| Appearance | Fine powder |
| Physical state | Solid. |
| Form | Not available. |
| Color | Cyan |
| Odor | Odorless |
| Odor threshold | No information available |
| pH | Not applicable |
| Melting point/freezing point | No information available |
| Boiling point, initial boiling point, and boiling range | Not applicable |
| Flash point | Not applicable |
| Auto-ignition temperature | No data available |
| Flammability (solid, gas) | Not available. |
| Flammability limit - lower (%) | Not flammable |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not applicable |
| Vapor density | Not applicable |
| Evaporation rate | Not available. |
| Solubility(ies) | |
| Solubility (water) | Insoluble in water. Partially soluble in toluene, chloroform and tetrahydrofuran |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | > 392 °F (> 200 °C) |
| Viscosity | Not applicable |
| Percent volatile | 0 % estimated |
| Other data | |
| Specific gravity | 1.2 g/ml |

10. Stability and reactivity

| | |
|---|-------|
| Stability | None. |
| Conditions to avoid | None. |
| Incompatible materials | None. |
| Hazardous decomposition products | None. |

Possibility of hazardous reactions None.

11. Toxicological information

Information on likely routes of exposure

Ingestion Ingestion is not a likely route of exposure.
Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact Contact with skin may result in mild irritation.
Eye contact Contact with eyes may result in mild irritation.

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

Routes of exposure Not available.

Symptoms 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 sensitizer Based on available data, the classification criteria are not met.

Skin sensitizer Based on available data, the classification criteria are not met.

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

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

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.

Toxic to reproduction Based on available data, the classification criteria are not met.

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.

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

Chronic effects Not available.

Relevant negative data 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.

12. Ecological information

Ecotoxicity Not available.

Persistence and degradability Not available.

Bioaccumulation Not available.

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

Bioconcentration factor (BCF) Not available.

Mobility Not available.

Other hazardous effects This product has not been tested for ecological effects.

13. Disposal considerations

Disposal methods/information Not available.

Special precautions Not available.

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.

15. Regulatory information**Applicable regulations****New Zealand Inventory of Chemicals (NZIoC): Registration status**Paraffin waxes and Hydrocarbon waxes (CAS
Proprietary)May be used as a single component chemical under an
appropriate group standard**16. Other information****References**

Not available.

Issued by

Not available.

Prepared by

Not available.

Disclaimer

This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.

Issue date

26-Mar-2019

Revision information

1. Product and Company Identification: Product and Company Identification

Explanation of abbreviations

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