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This document contains the safety data sheets of CF381A-AC, CF383A-AC and CF382A-AC, as a combined document for this pack is not available.



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

| 1.1. Product identifier | |
|---------------------------------|--|
| Trade name or | HP Color LaserJet CF381A-AC Cyan Print Cartridge |
| designation of the mixture | |
| Registration number | - |
| Synonyms | None. |
| Issue date | 19-Nov-2014 |
| Version number | 04 |
| Revision date | 18-Sep-2015 |
| Supersedes date | 22-Jun-2015 |
| 1.2. Relevant identified uses o | f the substance or mixture and uses advised against |
| Identified uses | This product is a cyan toner preparation that is used in HP Color LaserJet Pro MFP M476 series printers. |
| Uses advised against | None known. |
| Company identification | Hewlett-Packard Ireland Limited Barnhall Road., (Bldg DUB07-08) Leixlip, Ireland NA Telephone 01 6150000 |
| | HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Emergency number +353 1 8379964 OPTIONAL: +353 1 8092566 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

| Contains: | Amorphous silica, Pigment, Styrene acrylate copolymer, Wax |
|-----------------------------------|--|
| Hazard pictograms | None. |
| Signal word | None. |
| Hazard statements | The mixture does not meet the criteria for classification. |
| Precautionary statements | |
| Prevention | Not available. |
| Response | Not available. |
| Storage | Not available. |
| Disposal | Not available. |
| Supplemental label information | None. |
| 2.3. Other hazards | 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. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| General i | information |
|-----------|-------------|
|-----------|-------------|

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|----------------------------|-----|------------------------|-------------------------------|-----------|-------|
| Styrene acrylate copolymer | <85 | Trade Secret | - | - | |
| Classification: | | | | | |
| Pigment | <10 | Trade Secret | - | - | |
| Classification: - | | | | | |
| Wax | <10 | Trade Secret | - | - | |
| Classification: - | | | | | |
| Amorphous silica | <3 | 7631-86-9 231-545-4 | 01-2119379499-16-xxxx | - | |
| Classification: - | | | | | |

SECTION 4: First aid measures

General information

4.1. Description of 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. Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact least 15 minutes or until particles are removed. If irritation persists, consult a physician. Ingestion Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. 4.2. Most important Not available. symptoms and effects, both acute and delayed 4.3. Indication of any Not available. immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

| General fire hazards | Not available. |
|---|---|
| 5.1. Extinguishing media Suitable extinguishing media | CO2, water, or dry chemical |
| Unsuitable extinguishing media | None known. |
| 5.2. Special hazards arising from the substance or mixture | Not available. |
| 5.3. Advice for firefighters Special protective equipment for firefighters | Not available. |
| Special fire fighting procedures | If fire occurs in the printer, treat as an electrical fire. |
| Specific methods | None established. |

Not available.

SECTION 6: Accidental release measures

| 6.1. Personal precautions, prot | ective equipment and emergency procedures |
|---|--|
| For non-emergency personnel | Minimize dust generation and accumulation. |
| For emergency responders | Not available. |
| 6.2. Environmental precautions | Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations. |
| 6.3. Methods and material for containment and cleaning up | Not available. |
| 6.4. Reference to other sections | Not available. |
| | - |

SECTION 7: Handling and storage

| 7.1. Precautions for safe handling | 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. Conditions for safe storage, including any incompatibilities | Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers. |
| 7.3. Specific end use(s) | Not available. |

SECTION 8: Exposure controls/personal protection

| 8.1. Control parameters Occupational exposure limits Biological limit values Recommended monitoring procedures Derived no-effect level | No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Not available. Not available. |
|---|---|
| (DNEL) | |
| Predicted no effect concentrations (PNECs) | Not available. |
| Exposure guidelines | 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) |
| 8.2. Exposure controls | |
| Appropriate engineering controls | Use in a well ventilated area. |
| Individual protection measure | s, such as personal protective equipment |
| General information | No personal respiratory protective equipment required under normal conditions of use. |
| Eye/face protection | Not available. |
| Skin protection | |
| - Hand protection | Not available. |
| - Other | Not available. |
| Respiratory protection | Not available. |
| Thermal hazards | Not available. |
| Hygiene measures | Not available. |
| Environmental exposure controls | Not available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | Fine powder |
|----------------|-------------|
| Physical state | Solid. |

| Color | Cyan |
|--|---|
| Odor | Slight plastic odor |
| Odor threshold | Not available. |
| рН | Not applicable |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not applicable |
| Flash point | Not applicable |
| Evaporation rate | Not applicable |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or e | explosive limits |
| Flammability limit - lower (%) | Not flammable |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not applicable |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Negligible in water. Partially soluble in toluene and xylene. |
| Solubility (other) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | > 392 °F (> 200 °C) |
| Viscosity | Not applicable |
| Explosive properties | Not available. |
| Oxidizing properties | No information available. |
| 9.2. Other information | |
| Percent volatile | 0 % estimated |
| Softening point | |

SECTION 10: Stability and reactivity

| 10.1. Reactivity | Not available. |
|--|---|
| 10.2. Chemical stability | Stable under normal storage conditions. |
| 10.3. Possibility of hazardous reactions | Will not occur. |
| 10.4. Conditions to avoid | Imaging Drum: Exposure to light |
| 10.5. Incompatible materials | Strong oxidizers |
| | |

SECTION 11: Toxicological information

General information Not available.

| 11.1. | Information | on | toxicological | effects | |
|-------|-------------|----|---------------|---------|--|
| | | | | | |

| Acute toxicity | 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. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Skin sensitization | 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. |
| Reproductive toxicity | 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. |

| Components Species Test Results Amorphous silica (CAS 7631-86-9) Acute Ora/ Distance 15000 mg/kg Acute Ora/ Distance Not available. 22500 mg/kg Mixture versus substance Not available. Species Species Species 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. SECTION 12: Ecological information Costo rot mail to measures. Species Test Results Product Species Test Results Species Species CF381A-AC Aquatic Fish > 100 mg/l, 96 Hours Species 12.2. Persistence and degradability Not available. Species Test Results 12.3. Bioaccumulative potential Not available. Species Species Species 12.4. Mobility in soil Not available. Species Species Species Species 12.5. Results of PBT Not available. Species Species Species Species Species | - repeated exposure | | | | |
|---|-------------------------------|---|--|--|--|
| Amorphous silica (CAS 7631-86-9) Acute Crai LD50 Rat Section 2 for potential health effects and Section 4 for first aid measures. Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information LLS0 Fish LCS0: > 100 mg/l, Fish, 96.00 Hours Produt Species Test Results CF381A-AC Aquatic Fish LCS0 Fish Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information L2.1. Toxicity LCS0: > 100 mg/l, Fish, 96.00 Hours Produt Species Test Results CF381A-AC Aquatic Fish LCS0 Fish Section 2 for potential health effects Fish LCS0 Fish Section 2 for potential health effects Fish LCS0 Fish Section 2 for potential health effects Fish LCS0 Fish Section 2 for potential health Fish LCS0 Fish Section 2 for potential health Fish LCS0 Fish Section 2 for potential Fish CS0 Fish Fish Fish CS0 Fish Fish Fish CS0 Fish Fish Fish CS0 Fish Fish Fish Fish CS0 Fish Fish Fish Fish Fish Fish Fish Fish | - | Based on available data, the classification criteria are not met. | | | |
| Acute Oral LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Minkure versus substance information 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. SECTION 12: Ecological 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. SECTION 12: Ecological information Species Test Results 7381A-AC Aquatic Species Test Results Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. Not available. Partition coefficient Not available. Not available. noctanol/water (log Kow) Not available. Intervention of the available. 12.4. Mobility in soil Not available. Not available. 12.5. Results of PBT Not available. Intervention factor (BCF) 13.1. Waste treatment methods Residual waste Not available. SECTION 13: Disposal considerations Intervention form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations. | | - | | Test Results | |
| Ora' LDS0 Mose > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological information Species Taxity LCS0: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF381A-AC Aquatic Fish Aquatic Fish LCS0 Fish T2.2. Persistence and degradability Not available. Not available. Bioconcentration factor (BCF) Not available. Intervention T2.5. Results of PBT Not available. Intervention SECTION 13: Disposal considerations Not available. Intervention T3.1. Waste treatment methods/ idspersal participes and travailable. Not available. Intervention measures are taken. Finely dispersal participes mixtures in air. Dispose of in compliance with federal, stat and local regulations. T3.1. Waste treatment methods/ imethods/information Do not shred torne cartridge, unless dust-explosion prevention measures are taken. Finely dispersal particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulation | | | | | |
| LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance 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. SECTION 12: Ecological information 12.1. Toxicity LC50 > 100 mg/l, Fish, 96.00 Hours Produc <u>Species Test Results</u> CF381A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. Gradualbility 12.3. Bioaccumulative Not available. Partition coefficient Not available. Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a PBT or vPvB substance or mixture. and vPvB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods EU waste code Not available. EU waste code Not available. EU waste code Not available. EU waste code Not available. EU waste code Not available. FU waste code Not available. EU waste code Not available. EU waste code Not available. FU waste code Not available. EU mate in pour location, please visit http://www.hp.com/recycle. SECTION 14: Transport information | | | | | |
| Rat > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological information 12.1. Toxicity 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF381A-AC Aquatic Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - Portition Coefficient Not available. - Protition Coefficient Not available. - Protition factor (BCF) Not available. - 12.4. Mobility fin soil Not available. - 12.5. Results of PBT Not a vailable. - 12.6. Other adverse effects Not available. - | | Mouse | | > 15000 ma/ka | |
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| Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LCS0: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF381A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - - degradability Not available. - - - J2.3. Bioaccumulative potential Not available. - <t< td=""><td></td><td>NOT availat</td><td>DIE.</td><td></td></t<> | | NOT availat | DIE. | | |
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| Product Species Test Results G7381A-AC Aquatic Fish LCS0 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. > 100 mg/l, 96 Hours Intervent of the second of the | 12.1. Toxicity | LC50: > 10 | 00 mg/l, Fish, 96.00 Hours | | |
| Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. > 12.3. Bioaccumulative potential Not available. > Partition coefficient n-octanol/water (log Kow) Not available. > Bioconcentration factor (BCF) Not available. > 12.4. Mobility in soil Not available. > 12.5. Results of PBT and vPvB assessment Not available. > 12.6. Other adverse effects Not available. > SECTION 13: Disposal considerations > > 13.1. Waste treatment methods Not available. > EU waste code Not available. > Disposal 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 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. SECTION 14: Transport information Section prevention measures is available in your location, please visit http://www.hp.com/recycle. | - | | | Test Results | |
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| and vPvB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal co-siderations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal 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 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. | 12.4. Mobility in soil | Not availat | Not available. | | |
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| Contaminated packaging EU waste codeNot available.Disposal methods/informationDo 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 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.SECTION 14: Transport information | | | | | |
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| Disposal methods/information 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 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. SECTION 14: Transport information | | | | | |
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| 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. | | dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, | | | |
| • | | HP original | inkjet and LaserJet supplies. | For more information and to determine if this service is | |
| Further informationNot a dangerous good under DOT, IATA, ADR, IMDG, or RID. | SECTION 14: Transport i | nformatio | on | | |
| | Further information | Not a dang | Not a dangerous good under DOT, IATA, ADR, IMDG, or RID. | | |

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

| assessment | |
|---|---|
| 15.2. Chemical safety | Not available. |
| National regulations | Not available. |
| Other information | Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. |
| Other regulations | 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), |
| Not regulated. | |
| Directive 94/33/EC on | the protection of young people at work |
| Not regulated. | |
| Directive 98/24/EC on agents at work | the protection of the health and safety of workers from the risks related to chemical |
| Not regulated. | |
| Directive 96/82/EC (Se | veso II) on the control of major-accident hazards involving dangerous substances |
| Other EU regulations | |
| Not regulated. | |
| Not regulated. Directive 92/85/EEC: o are breastfeeding | n the safety and health of pregnant workers and workers who have recently given birth or |
| Not listed. Directive 2004/37/EC: mutagens at work | on the protection of workers from the risks related to exposure to carcinogens and |
| amended | 07/2006, REACH Annex XVII Substances subject to restriction on marketing and use as |
| Restrictions on use | |
| Not listed. | |
| | 3/2011 Annex XIV Substances Subject to Authorization |
| Authorizations | |
| Not listed. | 07/2006, REACH Article 59(1) Candidate List as currently published by ECHA |
| Not listed. | 6/2006 Annex II Pollutant Release and Transfer Registry |
| Not listed. Regulation (EC) No. 68 Not listed. | 9/2008 concerning the export and import of dangerous chemicals, Annex V as amended |
| amended | 9/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as |
| amended | 9/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as |
| amended | |

SECTION 16: Other information

| References Information on evaluation method leading to the classification of mixture | Not available. Not available. |
|---|---|
| Issue date | 19-Nov-2014 |
| Revision information | SECTION 16: Other information: Disclaimer |
| Training information | 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. |

| Manufacturer information | HP 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 |
|--------------------------|---|
| | (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209 |
| | |

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 | | |
| List of abbreviations | lot available. | | |



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

| 1.1. Product identifier | |
|---|--|
| Trade name or designation of the mixture | HP Color LaserJet CF383A-AC Magenta Print Cartridge |
| Registration number | - |
| Synonyms | None. |
| Issue date | 19-Nov-2014 |
| Version number | 04 |
| Revision date | 18-Sep-2015 |
| Supersedes date | 22-Jun-2015 |
| 1.2. Relevant identified uses o | f the substance or mixture and uses advised against |
| Identified uses | This product is a magenta toner preparation that is used in HP Color LaserJet Pro MFP M476 series printers. |
| Uses advised against | None known. |
| Company identification | Hewlett-Packard Ireland Limited Barnhall Road., (Bldg DUB07-08) Leixlip, Ireland NA Telephone 01 6150000 |
| | HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Emergency number +353 1 8379964 OPTIONAL: +353 1 8092566 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

| Contains: | Amorphous silica, Pigment, Styrene acrylate copolymer, Wax |
|-----------------------------------|--|
| Hazard pictograms | None. |
| Signal word | None. |
| Hazard statements | The mixture does not meet the criteria for classification. |
| Precautionary statements | |
| Prevention | Not available. |
| Response | Not available. |
| Storage | Not available. |
| Disposal | Not available. |
| Supplemental label information | None. |
| 2.3. Other hazards | 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. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| General i | information |
|-----------|-------------|
|-----------|-------------|

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|----------------------------|-----|------------------------|-------------------------------|-----------|-------|
| Styrene acrylate copolymer | <85 | Trade Secret | - | - | |
| Classification: | | | | | |
| Pigment | <10 | Trade Secret | - | - | |
| Classification: - | | | | | |
| Wax | <10 | Trade Secret | - | - | |
| Classification: - | | | | | |
| Amorphous silica | <3 | 7631-86-9 231-545-4 | 01-2119379499-16-xxxx | - | |
| Classification: - | | | | | |

SECTION 4: First aid measures

General information

4.1. Description of 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. Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact least 15 minutes or until particles are removed. If irritation persists, consult a physician. Ingestion Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. 4.2. Most important Not available. symptoms and effects, both acute and delayed 4.3. Indication of any Not available. immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

| General fire hazards | Not available. |
|---|---|
| 5.1. Extinguishing media Suitable extinguishing media | CO2, water, or dry chemical |
| Unsuitable extinguishing media | None known. |
| 5.2. Special hazards arising from the substance or mixture | Not available. |
| 5.3. Advice for firefighters Special protective equipment for firefighters | Not available. |
| Special fire fighting procedures | If fire occurs in the printer, treat as an electrical fire. |
| Specific methods | None established. |

Not available.

SECTION 6: Accidental release measures

| 6.1. Personal precautions, prot | ective equipment and emergency procedures |
|---|--|
| For non-emergency personnel | Minimize dust generation and accumulation. |
| For emergency responders | Not available. |
| 6.2. Environmental precautions | Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations. |
| 6.3. Methods and material for containment and cleaning up | Not available. |
| 6.4. Reference to other sections | Not available. |
| | - |

SECTION 7: Handling and storage

| 7.1. Precautions for safe handling | 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. Conditions for safe storage, including any incompatibilities | Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers. |
| 7.3. Specific end use(s) | Not available. |

SECTION 8: Exposure controls/personal protection

| 8.1. Control parameters Occupational exposure limits Biological limit values Recommended monitoring procedures Derived no-effect level (DNEL) | No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Not available. Not available. |
|---|---|
| Predicted no effect concentrations (PNECs) | Not available. |
| Exposure guidelines | 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) |
| 8.2. Exposure controls | |
| Appropriate engineering controls | Use in a well ventilated area. |
| Individual protection measure | s, such as personal protective equipment |
| General information | No personal respiratory protective equipment required under normal conditions of use. |
| Eye/face protection | Not available. |
| Skin protection | |
| - Hand protection | Not available. |
| - Other | Not available. |
| Respiratory protection | Not available. |
| Thermal hazards | Not available. |
| Hygiene measures | Not available. |
| Environmental exposure controls | Not available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | Fine powder |
|----------------|-------------|
| Physical state | Solid. |

| Color | Magenta |
|--|---|
| Odor | Slight plastic odor |
| Odor threshold | Not available. |
| рН | Not applicable |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not applicable |
| Flash point | Not applicable |
| Evaporation rate | Not applicable |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or e | explosive limits |
| Flammability limit - lower (%) | Not flammable |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not applicable |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Negligible in water. Partially soluble in toluene and xylene. |
| Solubility (other) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | > 392 °F (> 200 °C) |
| Viscosity | Not applicable |
| Explosive properties | Not available. |
| Oxidizing properties | No information available. |
| 9.2. Other information | |
| Percent volatile | 0 % estimated |
| | o /o coumated |

SECTION 10: Stability and reactivity

| 10.1. Reactivity | Not available. |
|--|---|
| 10.2. Chemical stability | Stable under normal storage conditions. |
| 10.3. Possibility of hazardous reactions | Will not occur. |
| 10.4. Conditions to avoid | Imaging Drum: Exposure to light |
| | |
| 10.5. Incompatible materials | Strong oxidizers |

SECTION 11: Toxicological information

General informationNot available.11.1. Information on toxicological effects

| Acute toxicity | 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. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Skin sensitization | 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. |
| Reproductive toxicity | 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. |

| Aspiration hazard Based on available data, the classification criteria are not met. Components Species Test Results Amorphous silica (CAS 7631-86-9) Acute Acute Ora/ | - repeated exposure | _ · | | |
|--|-------------------------------|---|-------------------------------|--|
| Amorphous silica (CAS 7631-86-9) Acute Crai LD50 Rat > 22500 mg/kg Rat > 22500 mg/kg Mixture versus substance Not available. Not available. Not available. Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information LCS0: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours L2.2. Persistence and Not available. Not available. Partition coefficient Not available. Not available. Not available. Not available. L2.4. Mobility in soil Not available. SECTION 13: Disposal considerations L2.6. Other adverse effects Not available. SECTION 13: Disposal considerations L3.1. Waste treatment methods Residual waste Not available. Disposal Do not shred tone: cartridge, unless dust-explosion prevention measures are taken. Finely dispersion Disposal Dispos | - | | | |
| Acute Oral LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological 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. SECTION 12: Ecological information Cost > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish Not available. Aquatic Not available. Not available. potential Not available. Not available. potential Not available. Not available. Partition coefficient noctanol/water (log Kow) Not available. Image: Section 1 (Section 1 | - | - | | Test Results |
| Oral Nouse > 15000 mg/kg LDS0 Not available. > 22500 mg/kg Mixture versus substance 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. SECTION 12: Ecological information Ecological information 12.1. Toxicity LCS0: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Aquatic Fish LCS0 Fish LCS0 Fish > 100 mg/l, 96 Hours 12.2. Persistence and ok available. Avaailable. - degradability Not available. - Partition coefficient Not available. - Partition coefficient and rect (IBCF) Not available. - Partition coefficient Not available. - 12.5. Results of PBT Not available. - SecctroN 13: Disposal considerations - - 13.1. Waste treatment methods. Not available. - Contaminated packaging Not available. - Contaminated packaging Not available. | | | | |
| LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance 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. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. Gradualbility 12.3. Bioaccumulative Not available. Partition coefficient Not available. Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results OF DBT Not available. 12.5. Results OF DBT Not available. 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods EU waste code Not available. EU waste code Not available. Fish Not available. EU waste code Not available. EU may for available. EU may for available. EU waste code Not available. EU may for avail | | | | |
| Rat > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological information 12.1. Toxicity L2.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - Portition Coefficient Not available. - Protition Coefficient Not available. - Protition factor (BCF) Not available. - 12.4. Mobility in soil Not available. - 12.5. Results of PBT Not available. - 12.6. Other adverse effects Not available. - <t< td=""><td></td><td>Mourco</td><td></td><td>> 15000 mg/kg</td></t<> | | Mourco | | > 15000 mg/kg |
| Mixture versus substance information 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. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - Potition Coefficient Not available. - Potition Coefficient Not available. - Protition Coefficient Not available. - 12.4. Mobility in soil Not available. - 12.5. Results of PBT Not a PBT or vPvB substance or mixture. - and vPVB assessment - - 12.6. Other adverse effects Not available. - 12.6. Other adverse effects Not available. - 12.6. Other adverse effects Not available. - 12.6. Other adverse effect Not available. - < | EDSU | | | |
| Information 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. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Produc Species Test Results CF383A-AC Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. degradability 12.3. Bioaccumulative Not available. Potential Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT And VPVB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. 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, stat and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original inkjet and LaserJet supplies. For more information | | Rat | | > 22500 mg/kg |
| Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - - degradability Not available. - - - J2.3. Bioaccumulative potential Not available. - <t< td=""><td></td><td>Not availat</td><td>ble.</td><td></td></t<> | | Not availat | ble. | |
| 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. > 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.3. Bioaccumulative potential Not available. > 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.3. Bioaccumulative potential Not available. > 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.4. Mobility in soil Not available. Not available. 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.4. Mobility in soil Not available. Not available. 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.4. Mobility in soil Not available. 100 mg/l, 96 Hours 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.4. Mobility in soil Not available. 100 mg/l, 96 Hours 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.5. Results of PBT Not available. Not available. 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.6. Other adverse effects Not available. Not available. 100 mg/l, 96 Hours 100 mg/l, 96 Hours 13.1. Waste treatment methods | Other information | | | |
| Product Species Test Results GF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. > 100 mg/l, 96 Hours Intervent of the second of th | SECTION 12: Ecological i | nformati | on | |
| Product Species Test Results GF383A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. > 100 mg/l, 96 Hours Intervent of the second of th | 12.1. Toxicity | LC50: > 10 | 00 mg/l, Fish, 96.00 Hours | |
| Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - 12.3. Bioaccumulative potential Not available. - Partition coefficient n-octanol/water (log Kow) Not available. - Bioconcentration factor (BCF) Not available. - 12.4. Mobility in soil Not available. - 12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture. - 12.6. Other adverse effects Not available. - SECTION 13: Disposal considerations - - 13.1. Waste treatment methods - - Residual waste Not available. - Contaminated packaging Not available. - Disposal 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, statu and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling 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. SECTION 14: Transport information | | | | Test Results |
| Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. | CF383A-AC | | | |
| 12.2. Persistence and degradability Not available. 12.3. Bioaccumulative potential Not available. Partition coefficient n-octanol/water (log Kow) Not available. Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT and vPvB assessment Not a vailable. 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations Isternations 13.1. Waste treatment methods Residual waste Residual waste Not available. Disposal 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 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. SECTION 14: Transport information | Aquatic | | | |
| degradability Not available. potential Not available. Partition coefficient Not available. n-octanol/water (log Kow) Bioconcentration factor (BCF) Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a PBT or vPvB substance or mixture. and vPvB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. Disposal 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 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. SECTION 14: Transport information Section please visit http://www.hp.com/recycle. | Fish | LC50 | Fish | > 100 mg/l, 96 Hours |
| potential Not available. Partition coefficient n-octanol/water (log Kow) Not available. Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT and VPvB assessment Not available. 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. Disposal methods/information 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 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. SECTION 14: Transport information | | Not availat | ble. | |
| n-octanol/water (log Kow) Bioconcentration factor (BCF) Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a PBT or vPvB substance or mixture. and vPvB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal 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 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. SECTION 14: Transport information | | Not availat | ble. | |
| 12.4. Mobility in soil Not available. 12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture. 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal methods/information 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 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. SECTION 14: Transport information | | Not availat | Not available. | |
| 12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture. 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations Secondations 13.1. Waste treatment methods Not available. Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal methods/information 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 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. SECTION 14: Transport information | Bioconcentration factor (BCF) | Not available. | | |
| and vPvB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal co-siderations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal 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 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. | 12.4. Mobility in soil | Not available. | | |
| 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal 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 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. SECTION 14: Transport information | and vPvB | Not a PBT or vPvB substance or mixture. | | |
| 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal methods/information 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 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. SECTION 14: Transport information | | Not availat | ble. | |
| 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal methods/information 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 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. SECTION 14: Transport information | SECTION 12, Disposal of | ncidarati | onc | |
| Residual wasteNot available.Contaminated packagingNot available.EU waste codeNot available.Disposal methods/informationDo 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 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.SECTION 14: Transport information | - | | 0115 | |
| Contaminated packaging EU waste codeNot available.Disposal methods/informationDo 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 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.SECTION 14: Transport information | | | | |
| EU waste code Not available. Disposal methods/information 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 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. SECTION 14: Transport information | | | | |
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| 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. | | dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, | | |
| • | | HP original | inkjet and LaserJet supplies. | For more information and to determine if this service is |
| Further informationNot a dangerous good under DOT, IATA, ADR, IMDG, or RID. | SECTION 14: Transport i | nformatio | on | |
| | Further information | Not a dang | jerous good under DOT, IATA | A, ADR, IMDG, or RID. |

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

| Regulation (EC) No. 689/ amended | 2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as |
|--|--|
| Not listed. | |
| Regulation (EC) No. 689/ amended | 2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as |
| Not listed. Regulation (EC) No. 689/ amended | /2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as |
| Not listed. Regulation (EC) No. 689/ | 2008 concerning the export and import of dangerous chemicals, Annex V as amended |
| Not listed. | |
| • • • • | 2006 Annex II Pollutant Release and Transfer Registry |
| Not listed. | |
| Not listed. | 7/2006, REACH Article 59(1) Candidate List as currently published by ECHA |
| Authorizations | |
| | 2011 Annex XIV Substances Subject to Authorization |
| Not listed. | 2011 Annex Ally Substances Subject to Authonization |
| Restrictions on use | |
| | 7/2006, REACH Annex XVII Substances subject to restriction on marketing and use as |
| amended | 7 2000, REACH AMER AVII Substances subject to restriction on marketing and use as |
| Not listed. | . The materian of markens from the viele veloced to environme to equiverance and |
| mutagens at work | n the protection of workers from the risks related to exposure to carcinogens and |
| Not regulated. Directive 92/85/EEC: on are breastfeeding | the safety and health of pregnant workers and workers who have recently given birth or |
| Not regulated. | |
| Other EU regulations | |
| Directive 96/82/EC (Seve | eso II) on the control of major-accident hazards involving dangerous substances |
| Not regulated. Directive 98/24/EC on th agents at work | ne protection of the health and safety of workers from the risks related to chemical |
| Not regulated. | |
| Directive 94/33/EC on th | ne protection of young people at work |
| Not regulated. | |
| Other regulations | 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. |
| Other information | This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. |
| National regulations | Not available. |
| 15.2. Chemical safety assessment | Not available. |

SECTION 16: Other information

| References | Not available. |
|---|---|
| Information on evaluation method leading to the classification of mixture | Not available. |
| Issue date | 19-Nov-2014 |
| Revision information | SECTION 16: Other information: Disclaimer |
| Training information | 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. |

| Manufacturer information | HP 11311 Chinden Boulevard Boise, ID 83714 USA (Direct) 1-503-494-7199 |
|--------------------------|---|
| | (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209 |
| | |

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 |
| List of abbreviations | Not available. |
| | |



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

| 1.1. Product identifier | |
|----------------------------------|--|
| Trade name or | HP Color LaserJet CF382A-AC Yellow Print Cartridge |
| designation of the mixture | |
| Registration number | - |
| Synonyms | None. |
| Issue date | 19-Nov-2014 |
| Version number | 04 |
| Revision date | 18-Sep-2015 |
| Supersedes date | 11-Jul-2015 |
| 1.2. Relevant identified uses of | f the substance or mixture and uses advised against |
| Identified uses | This product is a yellow toner preparation that is used in HP Color LaserJet Pro MFP M476 series printers. |
| Uses advised against | None known. |
| Company identification | Hewlett-Packard Ireland Limited Barnhall Road., (Bldg DUB07-08) Leixlip, Ireland NA Telephone 01 6150000 |
| | HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com Emergency number +353 1 8379964 OPTIONAL: +353 1 8092566 |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

| Contains: | Amorphous silica, Pigment, Styrene acrylate copolymer, Wax |
|-----------------------------------|--|
| Hazard pictograms | None. |
| Signal word | None. |
| Hazard statements | The mixture does not meet the criteria for classification. |
| Precautionary statements | |
| Prevention | Not available. |
| Response | Not available. |
| Storage | Not available. |
| Disposal | Not available. |
| Supplemental label information | None. |
| 2.3. Other hazards | 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. |

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| General i | information |
|-----------|-------------|
|-----------|-------------|

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|----------------------------|-----|------------------------|------------------------|-----------|-------|
| Styrene acrylate copolymer | <85 | Trade Secret | - | - | |
| Classification: - | | | | | |
| Wax | <10 | Trade Secret | - | - | |
| Classification: - | | | | | |
| Pigment | <5 | Trade Secret | - | - | |
| Classification: | | | | | |
| Amorphous silica | <3 | 7631-86-9 231-545-4 | 01-2119379499-16-xxxx | - | |
| Classification: - | | | | | |

SECTION 4: First aid measures

General information

4.1. Description of 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. Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at Eye contact least 15 minutes or until particles are removed. If irritation persists, consult a physician. Ingestion Rinse mouth out with water. Drink one to two glasses of water. If symptoms occur, consult a physician. 4.2. Most important Not available. symptoms and effects, both acute and delayed 4.3. Indication of any Not available. immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

| General fire hazards | Not available. |
|---|---|
| 5.1. Extinguishing media Suitable extinguishing media | CO2, water, or dry chemical |
| Unsuitable extinguishing media | None known. |
| 5.2. Special hazards arising from the substance or mixture | Not available. |
| 5.3. Advice for firefighters Special protective equipment for firefighters | Not available. |
| Special fire fighting procedures | If fire occurs in the printer, treat as an electrical fire. |
| Specific methods | None established. |

Not available.

SECTION 6: Accidental release measures

| 6.1. Personal precautions, prot | ective equipment and emergency procedures |
|---|--|
| For non-emergency personnel | Minimize dust generation and accumulation. |
| For emergency responders | Not available. |
| 6.2. Environmental precautions | Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations. |
| 6.3. Methods and material for containment and cleaning up | Not available. |
| 6.4. Reference to other sections | Not available. |
| | - |

SECTION 7: Handling and storage

| 7.1. Precautions for safe handling | 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. Conditions for safe storage, including any incompatibilities | Keep out of the reach of children. Keep tightly closed and dry. Store at room temperature. Store away from strong oxidizers. |
| 7.3. Specific end use(s) | Not available. |

SECTION 8: Exposure controls/personal protection

| 8.1. Control parameters Occupational exposure limits Biological limit values Recommended monitoring procedures Derived no-effect level (DNEL) | No exposure limits noted for ingredient(s). No biological exposure limits noted for the ingredient(s). Not available. Not available. |
|---|---|
| Predicted no effect concentrations (PNECs) | Not available. |
| Exposure guidelines | 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) |
| 8.2. Exposure controls | |
| Appropriate engineering controls | Use in a well ventilated area. |
| Individual protection measure | s, such as personal protective equipment |
| General information | No personal respiratory protective equipment required under normal conditions of use. |
| Eye/face protection | Not available. |
| Skin protection | |
| - Hand protection | Not available. |
| - Other | Not available. |
| Respiratory protection | Not available. |
| Thermal hazards | Not available. |
| Hygiene measures | Not available. |
| Environmental exposure controls | Not available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Appearance | Fine powder |
|----------------|-------------|
| Physical state | Solid. |

| Color | Yellow |
|--|---|
| Odor | Slight plastic odor |
| Odor threshold | Not available. |
| рН | Not applicable |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not applicable |
| Flash point | Not applicable |
| Evaporation rate | Not applicable |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or e | xplosive limits |
| Flammability limit - lower (%) | Not flammable |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not applicable |
| Relative density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Negligible in water. Partially soluble in toluene and xylene. |
| Solubility (other) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | > 392 °F (> 200 °C) |
| Viscosity | Not applicable |
| Explosive properties | Not available. |
| Oxidizing properties | No information available. |
| 9.2. Other information | |
| Percent volatile | 0 % estimated |
| Softening point | 176 - 266 °F (80 - 130 °C) |
| | |

SECTION 10: Stability and reactivity

| 10.1. Reactivity | Not available. |
|--|---|
| 10.2. Chemical stability | Stable under normal storage conditions. |
| 10.3. Possibility of hazardous reactions | Will not occur. |
| 10.4. Conditions to avoid | Imaging Drum: Exposure to light |
| | |
| 10.5. Incompatible materials | Strong oxidizers |

SECTION 11: Toxicological information

General informationNot available.11.1. Information on toxicological effects

| Acute toxicity | 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. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Skin sensitization | 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. |
| Reproductive toxicity | 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. |

| Aspiration hazard Based on available data, the classification criteria are not met. Components Species Test Results Anorphous silica (CAS 7631-86-9) Acute Acute Ora/ LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information Not available. Other information Complete toxicity data are not available for this specific formulation Refer to Sectio 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - 12.3. Bioaccumulative incotanol/water (log Kow) Not available. - 12.4. Aduation officient assessment Not available. - 12.5. Results of PBT and VPM assesses Not available. - 12.6. Other adverse effects Not available. - 12.6. Other adverse effects Not available. - | - repeated exposure | | | | |
|---|-------------------------------|---|------------------------------|-----------------------|--|
| Amorphous silica (CAS 7631-86-9) Acute Crai LD50 Rat > 22500 mg/kg Rat > 22500 mg/kg Mixture versus substance Not available. Not available. Not available. SECTION 12: Ecological information L1.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Produc Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. Partition coefficient Not available. Not available. Not available. Not available. LC50 Fish > 100 mg/l, 96 Hours L2.3. Bioaccumulative Not available. Not available. L2.4. Mobility in soil Not available. L2.5. Not available. L2.5. Results of PBT Not a PBT or VPVB substance or mixture. And VPVB sessement L2.6. Other adverse effects Not available. SECTION 13: Disposal considerations L3.1. Waste treatment methods Residual waste Not available. Disposal Disposal 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, stat and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP original indiget and Laceal tespolise. SECTION 14: Transport information | - | | | | |
| Acute Oral LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological 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. SECTION 12: Ecological information Cost > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. Not available. - Portition coefficient Not available. - - Portition coefficient and the or available. Not available. - - 12.4. Mobility in soil Not available. - - - 12.5. Results of PBT Not available. - - - 12.6. Other adverse effects Not available. - - - - 13.1. Waste treatment methods/ Evid waste Not available. | - | - | | | |
| Oral Nouse > 15000 mg/kg LDS0 Note > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological information Species Test Results C382A-AC Aquatic Fish LCS0 Fish LCS0 Fish > 100 mg/l, 96 Hours 12.3. Persistence and degradability Not available. - 12.4. Persistence for the variable. Not available. - Partition coefficient Not available. - 12.5. Results of PBT Not available. - 12.5. Results of PBT Not available. - 12.6. Other adverse effects Not available. - 13.1. Waste treatment methods/ Eremethods/information Not available. - 13.1. Waste treatment methods Not available. - Eventor Not available. - - 13.1. Waste treatment methods/ Eremethods/information Not available. - - 1 | | | | | |
| LD50 Mouse > 15000 mg/kg Rat > 22500 mg/kg Mixture versus substance 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. SECTION 12: Ecological information I2.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. GF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.3. Bioaccumulative Mot available. Protition coefficient Not available. Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results OF PBT Not a PBT or vPVB substance or mixture. and vPVB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations SECTION 13: Disposal considerations. EV waste code Not available. EV waste code Not available. EV waste code Not available. EV waste code Not available. Disposal Do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particiens, for mexplosive mixtures in air. Dispose of in compliance with federal, stat and Craminate parkaging in Not available. EV waste code Not available. EV waste code Not available. EV maste reatment methods: EV maste reatment methods information Fish Planet Partners (trademark) supplies recycling program enables simple, convenient recycling regram enables simple, convenient recycling regram enables simple, convenient recycling in Your location, please wish thtp://www.hp.com/recycle. EECTION 14: Transport information | | | | | |
| Rat > 22500 mg/kg Mixture versus substance information 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. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Product Species Aquatic Fish Fish LC50 Prostence and degradability Not available. 12.2. Persistence and degradability Not available. Portition coefficient n-octanol/water (log Kow) Not available. Bioconcentration factor (BCF) Not available. 12.3. Results of PBT and VPVB assessment Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT and VPVB assessment Not available. 12.6. Other adverse effects Not available. 13.1. Waste treatment methods Not available. | | Mourco | | > 15000 mg/kg | |
| Mixture versus substance information 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. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - Potition Coefficient Not available. - Potition Coefficient Not available. - Protition Coefficient Not available. - 12.4. Mobility in soil Not available. - 12.5. Results of PBT Not a PBT or vPvB substance or mixture. - and vPVB assessment - - 12.6. Other adverse effects Not available. - 12.6. Other adverse effects Not available. - 12.6. Other adverse effect of available. - - 12.6. Other adverse effect of not available. - -< | EDSU | | | | |
| Information Other information Complete toxicitly data are not available for this specific formulation Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Produc Species Test Results CF382A-AC Aquatic Fish LC50 Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and Not available. degradability 12.3. Bioaccumulative Not available. Potential Partition coefficient Not available. 12.4. Mobility in soil Not available. 12.5. Results of PBT Not a PBT or VPVB substance or mixture. and VPVB assessment 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Do not shred toner carridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, stat and local regulations. HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling HP's Planet Partners (trademark) supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle. | | | | > 22500 mg/kg | |
| Refer to Section 2 for potential health effects and Section 4 for first aid measures. SECTION 12: Ecological information 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. - - degradability Not available. - - - J2.3. Bioaccumulative potential Not available. - <t< td=""><td></td><td>Not availat</td><td>ble.</td><td></td></t<> | | Not availat | ble. | | |
| 12.1. Toxicity LC50: > 100 mg/l, Fish, 96.00 Hours Product Species Test Results CF382A-AC Aquatic Fish LC50 Fish > 100 mg/l, 96 Hours 12.2. Persistence and degradability Not available. > 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.3. Bioaccumulative potential Not available. > 100 mg/l, 96 Hours 100 mg/l, 96 Hours 12.3. Bioaccumulative potential Not available. - <td>Other information</td> <td></td> <td></td> <td></td> | Other information | | | | |
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| 12.6. Other adverse effects Not available. SECTION 13: Disposal considerations 13.1. Waste treatment methods Residual waste Not available. Contaminated packaging Not available. EU waste code Not available. Disposal 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 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. SECTION 14: Transport information | and vPvB | Not a PBT | or vPvB substance or mixture | 2. | |
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| • | | | | | |
| Further informationNot a dangerous good under DOT, IATA, ADR, IMDG, or RID. | SECTION 14: Transport i | nformatio | on | | |
| | Further information | Not a dang | gerous good under DOT, IATA | A, ADR, IMDG, or RID. | |

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I Not listed.

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

| assessment | |
|---|---|
| 15.2. Chemical safety | Not available. |
| National regulations | Not available. |
| Other information | Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. |
| Other regulations | 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), |
| Not regulated. | |
| Directive 94/33/EC on | the protection of young people at work |
| Not regulated. | |
| Directive 98/24/EC on agents at work | the protection of the health and safety of workers from the risks related to chemical |
| Not regulated. | |
| - | veso II) on the control of major-accident hazards involving dangerous substances |
| Other EU regulations | |
| Not regulated. | |
| Not regulated. Directive 92/85/EEC: o are breastfeeding | n the safety and health of pregnant workers and workers who have recently given birth or |
| Not listed. Directive 2004/37/EC: mutagens at work | on the protection of workers from the risks related to exposure to carcinogens and |
| Regulation (EC) No. 190 amended | 07/2006, REACH Annex XVII Substances subject to restriction on marketing and use as |
| Restrictions on use | |
| Not listed. | |
| | 3/2011 Annex XIV Substances Subject to Authorization |
| Authorizations | |
| Not listed. | 07/2006, REACH Article 59(1) Candidate List as currently published by ECHA |
| Regulation (EC) No. 16 Not listed. | 5/2006 Annex II Pollutant Release and Transfer Registry |
| Not listed. Regulation (EC) No. 689 Not listed. | 9/2008 concerning the export and import of dangerous chemicals, Annex V as amended |
| Not listed. Regulation (EC) No. 689 amended | 9/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as |
| Not listed. Regulation (EC) No. 689 amended | 9/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as |
| amended | |

SECTION 16: Other information

| References | Not available. |
|---|---|
| Information on evaluation method leading to the classification of mixture | Not available. |
| Issue date | 19-Nov-2014 |
| Revision information | SECTION 16: Other information: Disclaimer |
| Training information | 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. |

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|--------------------------|---|
| | (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209 |
| | |

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 | |
| List of abbreviations | Not available. | |
| | | |