

# SAFETY DATA SHEET



## 1. Identification

**Product identifier** 48F-K **HP Identifier:** CV113Series  
**Registration number** –  
**UFI** 06D4-0N2W-J30Y-83U5  
**Synonyms** None.  
**Issue date** 13-Apr-2015  
**Version number** 15  
**Revision date** 01-Jul-2022  
**Supersedes date** 21-Mar-2022

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Inkjet printing  
**Uses advised against** None known

**1.2 Manufacturer:** HP Deutschland  
GmbH Herrenberger  
Strasse 140 71034  
Böblingen Germany  
Telephone  
**Telephone:** + 49 7031 - 450 7000

**HP Inc. health effects line**  
**(Toll-free within the US)** 1-800-457-4209  
**(Direct)** 1-760-710-0048  
**HP Inc. Customer Care Line**  
**(Toll-free within the US)** 1-800-474-6836  
**(Direct)** 1-208-323-2551  
**Email:** Sustainability@hp.com

### Importer/Supplier/Distributor information:

|   |  |
|---|--|
| Bluecrest<br>DMT Solutions Global<br>37 Executive Drive<br>Danbury CT 06810 | Bluecrest<br>DMTSolutions<br>Germany GmbH<br>Steubenplatz 17<br>64293 Darmstadt<br>06151 277-6906<br>info@bluecrestinc.com |
| <b>Telephone:</b> 877 748 6391  |  |
| <b>Email:</b> info@bluecrestinc.com   |  |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

2-pyrrolidone: Specific Concentration Limits, Reproductive toxicity Category 1B, fertility or the unborn child 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an animal study. See Section 11. **Health hazards**

|   |             |  |
|---|-------------|--|
| Skin sensitization                                  | Category 1  | H317 - May cause an allergic skin reaction.      |
| Reproductive toxicity (fertility, the unborn child) | Category 1B | H360 - May damage fertility or the unborn child. |

### 2.2. Label elements

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

Material name: CV113Series

12664 Version #: 15 Revision date: 01-Jul-2022 Issue date: 13-Apr-2015

SDS GERMANY

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**Contains:** 1,2-Benzisothiazolin-3-one (Benzisothiazolinone), 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone), 2-pyrrolidone



**Hazard pictograms**

**Signal word**

Danger

**Hazard statements**

H317 May cause an allergic skin reaction.  
H360 May damage fertility or the unborn child.

**Precautionary statements**

**Prevention**

P280 Wear protective gloves/protective clothing/eye protection.  
P261 Avoid breathing mist/vapor.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P272 Contaminated work clothing should not be allowed out of the workplace.

**Response**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P308 + P313 IF exposed or concerned: Get medical attention/advice.

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information** None.

**2.3. Other hazards**

Potential routes of overexposure to this product are skin and eye contact.. Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this product under normal use conditions. Complete toxicity data are not available for this specific formulation..

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name   | %  | CAS-No. / EC No.         | REACH Registration No. | Index No.    | Notes |
|---|--|--------------------------|------------------------|--------------|-------|
| Water   | 65-90  | 7732-18-5                | -                      | -            |       |
|   | 231-791-2  | <b>Classification:</b> - |                        |              |       |
| 2,7-Naphthalenedisulfonic acid, 4-amino-5-hydroxy-, coupled with 3-aminophenol, diazotized 5-amino-2-[(4-aminophenyl)amino]benzenesulfonic acid and diazotized benzenamine, salts | <7.5   | Not required             | -                      | -            |       |
|   |  | -                        |                        |              |       |
| <b>Classification:</b>  | Eye Irrit. 2;H319, Aquatic Chronic 3;H412  |                          |                        |              |       |
| 2-pyrrolidone   | <7.5   | 616-45-5<br>210-483-1    | 01-2119475471-37-XXXX  | -            |       |
| <b>Classification:</b>  | Eye Irrit. 2;H319, Repr. 1B;H360   |                          |                        |              |       |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone)  | <0.05  | 2634-33-5<br>220-120-9   | 01-2120761540-60-XXXX  | 613-088-00-6 |       |
| <b>Classification:</b>  | Acute Tox. 4;H302, Skin Irrit. 2;H315, Skin Sens. 1A;H317, Eye Dam. 1;H318, Acute Tox. 2;H330, Aquatic Acute 1;H400(M=1), Aquatic Chronic 2;H411                     |                          |                        |              |       |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone)  | <0.05  | 2682-20-4<br>220-239-6   | 01-2120764690-50-XXXX  | -            |       |
| <b>Classification:</b>  | Acute Tox. 3;H301, Acute Tox. 3;H311, Skin Corr. 1B;H314, Skin Sens. 1A;H317, Eye Dam. 1;H318, Acute Tox. 2;H330, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410 |                          |                        |              |       |

**Composition comments** This ink supply contains an aqueous ink formulation.

2-pyrrolidone: Specific Concentration Limit 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an animal study. See Section 11.

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## SECTION 4: First aid measures

|  |   |
|--|---|
| <b>General information</b>   | Not available.  |
| <b>4.1. Description of first aid measures</b>  |   |
| <b>Inhalation</b>  | Move to fresh air. If symptoms persist, get medical attention.  |
| <b>Skin contact</b>  | Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  |
| <b>Eye contact</b>   | 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 get medical attention. |
| <b>Ingestion</b>   | If ingestion of a large amount does occur, seek medical attention.  |
| <b>4.2. Most important symptoms and effects, both acute and delayed</b>                | Not available.  |
| <b>4.3. Indication of any immediate medical attention and special treatment needed</b> | Not available.  |

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## SECTION 5: Firefighting measures

|   |  |
|---|--|
| <b>General fire hazards</b>                                       | Not available.                                 |
| <b>5.1. Extinguishing media</b>                                   |  |
| <b>Suitable extinguishing media</b>                               | CO <sub>2</sub> , water, dry chemical, or foam |
| <b>Unsuitable extinguishing media</b>                             | None known.                                    |
| <b>5.2. Special hazards arising from the substance or mixture</b> | Not available.                                 |
| <b>5.3. Advice for firefighters</b>                               |  |
| <b>Special protective equipment for firefighters</b>              | Not available.                                 |
| <b>Special fire fighting procedures</b>                           | Not available.                                 |
| <b>Specific methods</b>   | None established.                              |

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## SECTION 6: Accidental release measures

|   |   |
|---|---|
| <b>6.1. Personal precautions, protective equipment and emergency procedures</b> |   |
| <b>For non-emergency personnel</b>  | Wear appropriate personal protective equipment.   |
| <b>For emergency responders</b>   | Not available.  |
| <b>6.2. Environmental precautions</b>   | Do not let product enter drains. Do not flush into surface water or sanitary sewer system.  |
| <b>6.3. Methods and material for containment and cleaning up</b>                | Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. |
| <b>6.4. Reference to other sections</b>   | Not available.  |

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## SECTION 7: Handling and storage

|  |   |
|--|---|
| <b>7.1. Precautions for safe handling</b>                                | Avoid contact with skin, eyes and clothing.                               |
| <b>7.2. Conditions for safe storage, including any incompatibilities</b> | Keep out of the reach of children. Keep away from excessive heat or cold. |
| <b>7.3. Specific end use(s)</b>  | Not available.  |

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## SECTION 8: Exposure controls/personal protection

|                                     |   |
|-------------------------------------|---|
| <b>8.1. Control parameters</b>      |   |
| <b>Occupational exposure limits</b> | No exposure limits noted for ingredient(s). |

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

**Recommended monitoring** Not available. **procedures**

**Derived no effect levels (DNELs)**

| Components                   | Type      | Route      | Value                   | Form          |      |
|------------------------------|-----------|------------|-------------------------|---------------|------|
| 2-pyrrolidone (CAS 616-45-5) | Consumers | Dermal     | 0.67 mg/kg bw/d         | Systemic term | long |
|                              |           | Inhalation | 1.985 mg/m <sup>3</sup> | Systemic term | long |
|                              |           | Oral       | 0.67 mg/kg bw/d         | Systemic term | long |
|                              | Workers   | Dermal     | 4.2 mg/kg bw/d          | Systemic term | long |
|                              |           | Inhalation | 29.62 mg/m <sup>3</sup> | Systemic term | long |
|                              |           |            |                         |               |      |

**Predicted no effect concentrations (PNECs)**

| Components                   | Type           | Route        | Value        | Form         |            |  |
|------------------------------|----------------|--------------|--------------|--------------|------------|--|
| 2-pyrrolidone (CAS 616-45-5) | Not applicable | Freshwater   | 0.5 mg/l     |              |            |  |
|                              |                | Intermittent | 0.5 mg/l     | Releases     |            |  |
|                              |                | Marine water | 0.05 mg/l    |              |            |  |
|                              |                | Sediment     | 0.4205 mg/kg | Soil         | Freshwater |  |
|                              |                |              | 0.0612 mg/kg |              |            |  |
|                              |                | STP          | 10 mg/l      | Sewage Plant | Treatment  |  |

**Exposure guidelines** Exposure limits have not been established for this product.

**8.2. Exposure controls**

**Appropriate engineering** Use in a well ventilated area. **controls**

**Individual protection measures, such as personal protective equipment**

**General information** Not available.

**Eye/face protection** Not available.

**Skin protection**

- **Hand protection** Not available.

- **Other** Use personal protective equipment to minimize exposure to skin and eye.

**Respiratory protection** Not available.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure** Not available. **controls**

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Not available.

**Color** Black.

**Odor** Not available.

**Odor threshold** Not available.

**pH** 7.5 - 8.5

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not determined

**Flash point** > 200.0 °F (> 93.3 °C) Setaflash Closed cup

**Evaporation rate** Not determined

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not determined

|  |                        |
|--|------------------------|
| <b>Flammability limit - upper (%)</b>          | Not available.         |
| <b>Vapor pressure</b>                          | Not determined         |
| <b>Vapor density</b>                           | Not available.         |
| <b>Solubility(ies)</b>                         |                        |
| <b>Solubility (water)</b>                      | Soluble in water       |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.         |
| <b>Auto-ignition temperature</b>               | Not determined         |
| <b>Decomposition temperature</b>               | Not available.         |
| <b>Viscosity</b>                               | Not available.         |
| <b>Explosive properties</b>                    | Not available.         |
| <b>Oxidizing properties</b>                    | Not determined         |
| <b>9.2. Other information</b>                  |                        |
| <b>Density</b>                                 | 1.04 g/cm <sup>3</sup> |
| <b>VOC</b>                                     | < 240 g/L              |

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>10.1. Reactivity</b>                         | Not available.  |
| <b>10.2. Chemical stability</b>                 | Stable under recommended storage conditions.  |
| <b>10.3. Possibility of hazardous reactions</b> | Will not occur.   |
| <b>10.4. Conditions to avoid</b>                | Not available.  |
| <b>10.5. Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents.  |
| <b>10.6. Hazardous decomposition products</b>   | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

## SECTION 11: Toxicological information

|  |  |                           |
|--|--|---------------------------|
| <b>General information</b>   | Not available.   |                           |
| <b>Information on likely routes of exposure</b>                      |  |                           |
| <b>Inhalation</b>  | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |                           |
| <b>Skin contact</b>  | May cause an allergic skin reaction.   |                           |
| <b>Eye contact</b>   | Contact with eyes may result in mild irritation.   |                           |
| <b>Ingestion</b>   | Health injuries are not known or expected under normal use.  |                           |
| <b>Symptoms</b>  | Not available.   |                           |
| <b>11.1. Information on toxicological effects</b>                    |  |                           |
| <b>Acute toxicity</b>  | Based on available data, the classification criteria are not met.                                  |                           |
| <b>Components</b>  | <b>Species</b>   | <b>Test Results</b>       |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5)     |  |                           |
| <b>Acute</b>   |  |                           |
| <b>Dermal</b>  |  |                           |
| LD50   | Rat  | > 2000 mg/kg (OECD 402)   |
| <b>Oral</b>  |  |                           |
| LD50   | Mouse  | 1150 mg/kg                |
|  | Rat  | 1020 mg/kg                |
|  |  | 670 mg/kg (OECD 401)      |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4) |  |                           |
| <b>Acute</b>   |  |                           |
| <b>Dermal</b>  |  |                           |
| LD50   | Rat  | 242 mg/kg (OECD 402)      |
| <b>Inhalation</b>  |  |                           |
| LC50   | Rat  | 0.11 mg/l, 4 h (OECD 403) |
| <b>Oral</b>  |  |                           |

LD50 Rat 120 mg/kg  
2-pyrrolidone (CAS 616-45-5)

**Acute**

**Oral**

LD50 Rat > 5000 mg/kg

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Irritation Corrosion - Skin**

2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Corrosive, rabbit (OECD 404)  
1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Irritating (4 h, rabbit)

**Serious eye damage/eye** Based on available data, the classification criteria are not met. **irritation**

**Eye**

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Causes serious eye damage (rabbit)  
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Corrosive, based on OECD 404 results

**Respiratory sensitization** Based on available data, the classification criteria are not met. **Skin**

**sensitization** May cause an allergic skin reaction.

**Skin sensitization**

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Causes sensitization (Guinea pig, OECD 406)  
2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Sensitizing, mice (OECD 429), Sensitizing, guinea pigs (OECD 406)

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

**Reproductive toxicity** May damage fertility or the unborn child.

2-pyrrolidone: This component showed developmental effects only at high doses that were toxic to pregnant test animals (OECD Testing Guideline 414: Prenatal Developmental Toxicity Study). Uptake by people of small doses is not expected to cause developmental toxicity. This component has not caused adverse effects on sexual function or damage to fertility in an animal study (OECD Testing Guideline 443: Extended One-Generation Reproductive Toxicity Study).

**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.

**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**

| Product  | Species        | Test Results  |
|--|----------------|---|
| CV113Series  |                |   |
| <b>Aquatic</b>   |                |   |
| <i>Acute</i>   |                |   |
| Fish   | LC50           | Fathead minnow ( <i>Pimephales promelas</i> ) > 750 mg/l, 96 hours      |
| <b>Components</b>  | <b>Species</b> | <b>Test Results</b>   |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5) |                |   |
| <i>Acute</i>   |                |   |
|  | EC50           | Activated sludge 12.8 mg/l, 3 h (OECD 209)                              |
| Other  | EC50           | <i>Pseudokirchnerella subcapitata</i> 0.11 mg/l, 72 h OECD (201)        |
|  | NOEC           | <i>Pseudokirchnerella subcapitata</i> 0.055 mg/l, 72 h (OECD 201)       |
| <b>Aquatic</b>   |                |   |
| <i>Acute</i>   |                |   |
| Crustacea  | EC50           | <i>Daphnia magna</i> 4.4 mg/l, 48 h<br>2.9 mg/l, 48 h (OECD 202)        |
| Fish   | LC50           | <i>Oncorhynchus mykiss</i> 2.15 mg/l, 96 h (OECD 203)<br>0.8 mg/l, 96 h |

**2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4)****Acute**

|       |                                |                              |
|-------|--------------------------------|------------------------------|
| EC50  | Activated sludge               | 34.6 mg/l (DIN 38412-3)      |
| Other | Pseudokirchnerella subcapitata | 0.445 mg/l, 120 h (OECD 201) |

**Aquatic****Acute**

|           |      |               |                            |
|-----------|------|---------------|----------------------------|
| Crustacea | EC50 | Daphnia magna | 1.68 mg/l, 48 h (OECD 202) |
| Fish      | LC50 | Rainbow Trout | 6 mg/l, 96 h (OECD 203)    |

**Chronic**

|           |      |                     |                              |
|-----------|------|---------------------|------------------------------|
| Crustacea | NOEC | Daphnia magna       | 0.0442 mg/l, 21 d (OECD 211) |
| Fish      | NOEC | Oncorhynchus mykiss | 4.93 mg/l, 98 d (OECD 210)   |

**2-pyrrolidone (CAS 616-45-5)****Aquatic**

|           |      |                            |                      |
|-----------|------|----------------------------|----------------------|
| Crustacea | EC50 | Water flea (Daphnia pulex) | 13.21 mg/l, 48 hours |
|-----------|------|----------------------------|----------------------|

**12.2. Persistence and degradability****Biodegradability****Percent degradation (Aerobic biodegradation-ready)**

|  |  |
|--|--|
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | 85 %, Not readily biodegradable (OECD 301C)<br>Test Duration: 63 d |
|--|--|

**Biodegradability****Percent degradation (Aerobic biodegradation-ready)**

|  |  |
|--|--|
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | 54.1 %, (OECD 301B)<br>Test Duration: 29 d |
|--|--|

**12.3. Bioaccumulative potential** Not available.**Partition coefficient n-octanol/water (log Kow)**

|  |                  |
|--|------------------|
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone)     | 0.7 (OECD 117)   |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | -0.32 (OECD 107) |
| 2-pyrrolidone  | -0.85            |

**Bioconcentration factor (BCF)**

|  |  |
|--|--|
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone)     | 6.62, (OECD 305)<br>Species: Bluegill (Lepomis macrochirus)  |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | 48.1, Viscera (1972)<br>Species: Bluegill (Lepomis macrochirus)<br>5.75, Carcass (1972)<br>Species: Bluegill (Lepomis macrochirus) |

**12.4. Mobility in soil****Adsorption****Soil/sediment sorption - log Koc**

|  |                  |
|--|------------------|
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | 0.97, (OECD 121) |
|--|------------------|

**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**

|                                     |   |
|-------------------------------------|---|
| <b>Residual waste</b>               | Not available.  |
| <b>Contaminated packaging</b>       | Not available.  |
| <b>EU waste code</b>                | Not available.  |
| <b>Disposal methods/information</b> | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. |

**SECTION 14: Transport information****DOT**

|                                |                |
|--------------------------------|----------------|
| <b>UN number</b>               | Not available. |
| <b>UN proper shipping name</b> | Not Regulated  |

**Transport hazard class(es)****Class** Not available. **Subsidiary risk****Packing group** Not available.**Environmental hazards****Marine pollutant** No**Special precautions for user** Not available.**IATA****UN number** Not available.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not available. **Subsidiary risk****Packing group** Not available.**Environmental hazards** No**Special precautions for user** Not available.**IMDG****UN number** Not available.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not available. **Subsidiary risk****Packing group** Not available.**Transport hazard class(es)****Marine pollutant** No**EmS** Not available.**Special precautions for user** Not available.**ADR****UN number** Not available.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not available.**Subsidiary risk** -**Hazard No. (ADR)** Not available.**Tunnel restriction code** Not available.**Packing group** Not available.**Environmental hazards** No**Special precautions for user** Not available.**Further information**

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

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

**Authorizations****Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.



## Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

## Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5)

## Other regulations

HP complies with chemical regulatory requirements in chemical substance notification laws, where applicable. All chemical substances are notified or exempt from notification or listed in the inventory as existing substances in the following countries: US (TSCA), Canada (DSL/NDSL), Australia (AICIS), Japan (ISHL, ENCS), Philippines (PICCS), New Zealand (NZIoC), Russia and China (IECSC). For guidance on importation and/or additional requirements for registration schemes such as EAEU, EU, South Korea, Turkey, UK, India and Taiwan, please contact the Sustainability and Compliance Center (sustainability@hp.com).

## Other information

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).

Not available.

## National regulations

### Water hazard class

AwSV

WGK2

### 15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

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## SECTION 16: Other information

### References

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

The information in this document is based on the present state of our knowledge, including but not limited to the data present in the registrations of the ingredients, it does not purport to be all-inclusive and shall be used only as a guide.

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H360 May damage fertility or the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

### Revision information

SECTION 15: Regulatory information: Other regulations

**Training information**

Follow training instructions when handling this material.

**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.

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.

**Explanation of abbreviations**

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

# Safe Use of Mixture Information (SUMI)

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## Water Based Ink: WB01 \*English\*

### Disclaimer

*This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.*

*The REACH registration number(s), where applicable, completes an extended product SDS.*

### Operational conditions

|                              |   |
|------------------------------|---|
| <b>Maximum duration</b>      | Up to 8 hours per day   |
| <b>Frequency of exposure</b> | < 240 days per year   |
| <b>Process conditions</b>    | Covers use at ambient temperatures.<br>Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.<br>Avoid direct contact.<br>Regular cleaning of equipment and work area.<br>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed. |

### Risk management measures

|  |  |
|--|--|
| <b>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</b> | Wear safety glasses with side shields (or goggles), if splashing is possible.<br>Wear appropriate chemical resistant gloves: see section 8 of the SDS.<br>Wear appropriate chemical resistant clothing.<br>In case of inadequate ventilation wear respiratory protection.<br>Eye wash fountain and emergency showers are recommended.<br>Avoid breathing mist/vapours.<br>Avoid contact with skin, eyes and clothing.<br>Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured. |
|--|--|



### Good practice advice

Use personal protective equipment as required.  
Wash hands before breaks and after work.  
Keep good industrial hygiene and safety practice.  
Use only with adequate ventilation.  
Do no eat, drink or smoke when using this product.  
Wash contaminated clothing before reuse.  
Store at room temperature.



### Environmental measures

Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.  
Ensure collection and disposal with appropriately licenced waste contractor.

### Use descriptors

IS-Use at industrial sites

PW-Widespread use by professional workers

SU7-Printing and reproduction media

PC18-Inks and Toners

PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities

ERC5-Use at industrial site leading to inclusion into/onto article

ERC8c-Widespread use leading to inclusion into/onto article (indoor)

**Additional information on product composition**

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.

Most of the water based inks are "not classified".

The classification of the mixture is based on the individual ingredients and their concentration within the mixture.

All ingredients contributing to the classification are stated in Section 3 of the SDS.

Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.

The product may contain sensitizing ingredients that may cause allergic reaction to certain people.

Section 2 of the SDS states these ingredients where applicable.

WB01\_English.pdf