

CH612Series[B][2]-SDS\_TURKEYGHS-English-41.pdf

CH612Series[Y][2]-SDS\_TURKEYGHS-English-31.pdf

**SAFETY DATA SHEET**

Product name: CH612Series[B][2]

Version #: 04  
Issue date: 09-Feb-2018  
Revision date: 29-Jan-2020SDS TURKEY  
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## Section II

**1. Identification of the substance/mixture and of the company/undertaking**

**Important information** \*\*\* This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. \*\*\*

**1.1. Substance/Mixture identifier**

CH612Series[B][2]

**Other means of identification** None.**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Inkjet printing**Uses advised against** None known.**1.3. Details of the supplier of the safety data sheet**HP Computer and Printing Technologies Limited Liability Company  
Saray Mahallesi Dr. Adan Buyukdeniz Caddesi No:4 Umraniye, Pt. 8th Floor  
Istanbul, TURKEY 34752**Telephone** +90 212 224 5925**HP Inc. health effects line****(Toll-free within the US)** 1-800-457-4209**(Direct)** 1-760-710-0048**HP Inc. Customer Care Line****(Toll-free within the US)** 1-800-474-6836**(Direct)** 1-208-323-2551**Email:** hpcustomer.inquiries@hp.com**1.4. Emergency Telephone Number****National Poison Information Center (UZEM)** 114**Emergency Health Services** 112**2. Hazards identification****2.1. Classification of the substance or mixture****Classification of the substance or mixture according to SEA regulation TC28848****Physical hazards** Not classified.**Health hazards** Reproductive toxicity (fertility, the unborn child) Category 1B**Environmental hazards** Not classified.**2.2 Label elements according to SEA regulation TC28848****Hazard pictograms****Signal word** Danger**Hazard statements**

H360 May damage fertility or the unborn child.

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## Precautionary statements

### Prevention

P280 Wear protective gloves/protective clothing/eye protection.  
P202 Do not handle until all safety precautions have been read and understood.  
P201 Obtain special instructions before use.

### Response

P308 + P313 IF exposed or concerned: Get medical advice/attention.

### Storage

P405 Store locked up.

### Disposal

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

## 2.3. Other hazards

Complete toxicity data are not available for this specific formulation.

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.

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk.

## Supplemental information

None.

## 3. Composition/information on ingredients

### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	60-80	7732-18-5 231-791-2	-	-	
<b>Classification:</b>	-				
2-pyrrolidone	<20	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
<b>Classification:</b>	Eye Irrit. 2;H319, Repr. 1B;H360				

#### Composition comments

This ink supply contains an aqueous ink formulation.

Carbon black is present only in a bound form in this preparation. 2-pyrrolidone: Specific Concentration Limit 3%.

## 4. First aid measures

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. If symptoms persist, get medical attention.  
**Skin contact** Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  
**Eye contact** Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.  
**Ingestion** If ingestion of a large amount does occur, seek medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Not available.

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**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

**General information** Not available.

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## 5. Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**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** Not available.

**Specific methods** None established.

**General fire hazards** Not available.

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## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Wear appropriate personal protective equipment.

**For emergency responders** Not available.

**6.2. Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up** Not available.

**6.4. Reference to other sections** Not available.

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## 7. Handling and storage

**7.1. Precautions for safe handling** Avoid contact with skin, eyes and clothing.

**7.2. Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep away from excessive heat or cold.

**7.3. Specific end use(s)** Not available.

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## 8. Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits** No exposure limits noted for ingredient(s).

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

**Recommended monitoring procedures** Not available.

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

### 8.2. Exposure controls

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

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

**General information** Not available.

**Eye/face protection** Not available.

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<b>Skin protection</b>	
- Hand protection	Not available.
- Other	Use personal protective equipment to minimize exposure to skin and eye.
<b>Respiratory protection</b>	Not available.
<b>Thermal hazards</b>	Not available.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	Not available.

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## 9. Physical and chemical properties

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

#### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	Black.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not determined
<b>Initial boiling point and boiling range</b>	Not determined
<b>Flash point</b>	> 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	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

### 9.2. Other information

<b>Percent volatile</b>	19 % estimated
<b>VOC</b>	< 306 g/L

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## 10. Stability and reactivity

<b>10.1. Reactivity</b>	Not available.
<b>10.2. Chemical stability</b>	Stable under recommended storage conditions.

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<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.

## 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>	Contact with skin may result in mild irritation.	
<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>Product</b>	<b>Species</b>	<b>Test Results</b>
Black ink		
<b>Components</b>	<b>Species</b>	<b>Test Results</b>
2-pyrrolidone (CAS 616-45-5)		
<u><b>Acute</b></u>		
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.	
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met. Not classified as an irritant according to, OECD 405.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met. Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)	
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.  Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.	
<b>Reproductive toxicity</b>	May damage fertility or the unborn child.  2-pyrrolidone: This component showed developmental effects only at high, maternally toxic doses in test animals. Uptake by people of small doses is not expected to cause developmental toxicity.	
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.	
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.	
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.	

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**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.

## 12. Ecological information

### 12.1. Toxicity

**Aquatic toxicity** This product has not been tested for ecological effects. This material is not expected to be harmful to aquatic life.

Product	Species	Test Results
Black ink		
Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Aquatic</b>		
Crustacea	EC50 Water flea (Daphnia pulex)	13.21 mg/l, 48 hours

**12.2. Persistence and degradability** Not available.

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)**  
2-pyrrolidone -0.85

**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.

## 13. Disposal information

### 13.1. Waste treatment methods

**Residual waste** Not available.

**Contaminated packaging** Not available.

**EU waste code** Not available.

**Disposal methods/information** Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## 14. Transport information

### DOT

**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**

**Marine pollutant** No

**Special precautions for user** Not available.

### IATA

**UN number** Not available.

**UN proper shipping name** Not Regulated

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## 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.

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Annexes I, III, IV, Restrictions on Use, Placing on Market and Production of Dangerous Substances

Not listed.

#### List of Priority Substances, By-Law on Inventory and Control of Chemicals, No 27092

Not listed.

#### Prohibited Chemicals at Work. Regulation on Protection of Health and Safety Measures from Risks related to Chemical Agents at Work, Annex III

Not listed.

## 16. Other information

### References

Not available.

### 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

H319 Causes serious eye irritation.  
H360 May damage fertility or the unborn child.

### Revision information

This document has undergone significant changes and should be reviewed in its entirety.

### Training information

Follow training instructions when handling this material.



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<b>Compiler of the Safety Data Sheet</b>	HP Inc.
<b>Competency certificate number</b>	Not available.
<b>Competency certificate date</b>	Not available.
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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

**SAFETY DATA SHEET**

Product name: CH612Series[Y][2]

Version #: 02

Issue date: 21-Oct-2019

Revision date: 29-Jan-2020

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## Section II

**1. Identification of the substance/mixture and of the company/undertaking****Important information**

\*\*\* This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. \*\*\*

**1.1. Substance/Mixture identifier**

CH612Series[Y][2]

**Other means of identification**

None.

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Inkjet printing**Uses advised against** None known.**1.3. Details of the supplier of the safety data sheet**

HP Computer and Printing Technologies Limited Liability Company  
Saray Mahallesi Dr. Adan Buyukdeniz Caddesi No:4 Umraniye, Pt. 8th Floor  
Istanbul, TURKEY 34752

**Telephone**

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**HP Inc. health effects line****(Toll-free within the US)** 1-800-457-4209**(Direct)** 1-760-710-0048**HP Inc. Customer Care Line****(Toll-free within the US)** 1-800-474-6836**(Direct)** 1-208-323-2551**Email:** hpcustomer.inquiries@hp.com**1.4. Emergency Telephone Number****National Poison Information Center (UZEM)** 114**Emergency Health Services** 112**2. Hazards identification****2.1. Classification of the substance or mixture****Classification of the substance or mixture according to SEA regulation TC28848****Physical hazards** Not classified.**Health hazards** Reproductive toxicity (fertility, the unborn child) Category 1B**Environmental hazards** Not classified.**2.2 Label elements according to SEA regulation TC28848****Hazard pictograms****Signal word** Danger**Hazard statements**

H360 May damage fertility or the unborn child.

# SAFETY DATA SHEET

Product name: CH612Series[Y][2]

Version #: 02  
Issue date: 21-Oct-2019  
Revision date: 29-Jan-2020

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## Precautionary statements

### Prevention

P280 Wear protective gloves/protective clothing/eye protection.  
P202 Do not handle until all safety precautions have been read and understood.  
P201 Obtain special instructions before use.

### Response

P308 + P313 IF exposed or concerned: Get medical advice/attention.

### Storage

P405 Store locked up.

### Disposal

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

## 2.3. Other hazards

Complete toxicity data are not available for this specific formulation.

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.

Supplemental information None.

## 3. Composition/information on ingredients

### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Water	60-80	7732-18-5 231-791-2	-	-	
<b>Classification:</b>	-				
2-pyrrolidone	<20	616-45-5 210-483-1	01-2119475471-37-XXXX	-	
<b>Classification:</b>	Eye Irrit. 2;H319, Repr. 1B;H360				

Composition comments This ink supply contains an aqueous ink formulation.

2-pyrrolidone: Specific Concentration Limit 3%.

## 4. First aid measures

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. If symptoms persist, get medical attention.  
**Skin contact** Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.  
**Eye contact** Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.  
**Ingestion** If ingestion of a large amount does occur, seek medical attention.

**4.2. Most important symptoms and effects, both acute and delayed** Not available.

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

**General information** Not available.

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## 5. Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** Dry chemical, CO2, water spray or regular foam.

**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** Not available.

**Specific methods** None established.

**General fire hazards** Not available.

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## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Wear appropriate personal protective equipment.

**For emergency responders** Not available.

**6.2. Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up** Not available.

**6.4. Reference to other sections** Not available.

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## 7. Handling and storage

**7.1. Precautions for safe handling** Avoid contact with skin, eyes and clothing.

**7.2. Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep away from excessive heat or cold.

**7.3. Specific end use(s)** Not available.

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## 8. Exposure controls/personal protection

### 8.1. Control parameters

**Occupational exposure limits** No exposure limits noted for ingredient(s).

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

**Recommended monitoring procedures** Not available.

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

### 8.2. Exposure controls

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

### 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.

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<b>Respiratory protection</b>	Not available.
<b>Thermal hazards</b>	Not available.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	Not available.

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## 9. Physical and chemical properties

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

#### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	Yellow

**Odor** Not available.

**Odor threshold** Not available.

**pH** 8.2 - 8.7

**Melting point/freezing point** Not determined

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

**Flash point** > 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup

**Evaporation rate** Not available.

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

#### Upper/lower flammability or explosive limits

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

**Flammability limit - upper (%)** Not available.

**Vapor pressure** Not determined

**Vapor density** Not available.

#### Solubility(ies)

**Solubility (water)** Soluble in water

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

**Auto-ignition temperature** Not determined

**Decomposition temperature** Not available.

**Viscosity** Not available.

**Explosive properties** Not available.

**Oxidizing properties** Not determined

### 9.2. Other information

**Percent volatile** 19 % estimated

**VOC** < 306 g/L

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## 10. Stability and reactivity

**10.1. Reactivity** Not available.

**10.2. Chemical stability** Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions** Will not occur.

**10.4. Conditions to avoid** Not available.

**10.5. Incompatible materials** Incompatible with strong bases and oxidizing agents.

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**10.6. Hazardous decomposition products** Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

**General information** Not available.

### Information on likely routes of exposure

**Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Skin contact** Contact with skin may result in mild irritation.

**Eye contact** Contact with eyes may result in mild irritation.

**Ingestion** Health injuries are not known or expected under normal use.

**Symptoms** Not available.

### 11.1. Information on toxicological effects

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

Product	Species	Test Results
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Yellow ink

Components	Species	Test Results
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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.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met. Not classified as an irritant according to, OECD 405.

### Respiratory or skin sensitization

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

**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, maternally toxic doses in test animals. Uptake by people of small doses is not expected to cause developmental toxicity.

**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.

## 12. Ecological information

### 12.1. Toxicity

**Aquatic toxicity** This product has not been tested for ecological effects.

Product	Species	Test Results
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Yellow ink

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Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia pulex)
		13.21 mg/l, 48 hours
<b>12.2. Persistence and degradability</b>	Not available.	
<b>12.3. Bioaccumulative potential</b>	Not available.	
<b>Partition coefficient n-octanol/water (log Kow)</b>		
2-pyrrolidone		-0.85
<b>Bioconcentration factor (BCF)</b>	Not available.	
<b>12.4. Mobility in soil</b>	Not available.	
<b>12.5. Results of PBT and vPvB assessment</b>	Not a PBT or vPvB substance or mixture.	
<b>12.6. Other adverse effects</b>	Not available.	

## 13. Disposal information

### 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 allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## 14. Transport information

### DOT

<b>UN number</b>	Not available.
<b>UN proper shipping name</b>	Not Regulated
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not available.
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not available.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Not available.

### IATA

<b>UN number</b>	Not available.
<b>UN proper shipping name</b>	Not Regulated
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not available.
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not available.
<b>Environmental hazards</b>	No
<b>Special precautions for user</b>	Not available.

### IMDG

<b>UN number</b>	Not available.
<b>UN proper shipping name</b>	Not Regulated
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not available.
<b>Subsidiary risk</b>	-

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<b>Packing group</b>	Not available.
<b>Transport hazard class(es)</b>	
<b>Marine pollutant</b>	No
<b>EmS</b>	Not available.
<b>Special precautions for user</b>	Not available.
<b>ADR</b>	
<b>UN number</b>	Not available.
<b>UN proper shipping name</b>	Not Regulated
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not available.
<b>Subsidiary risk</b>	-
<b>Hazard No. (ADR)</b>	Not available.
<b>Tunnel restriction code</b>	Not available.
<b>Packing group</b>	Not available.
<b>Environmental hazards</b>	No
<b>Special precautions for user</b>	Not available.
<b>Further information</b>	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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## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Annexes I, III, IV, Restrictions on Use, Placing on Market and Production of Dangerous Substances

Not listed.

#### List of Priority Substances, By-Law on Inventory and Control of Chemicals, No 27092

Not listed.

#### Prohibited Chemicals at Work. Regulation on Protection of Health and Safety Measures from Risks related to Chemical Agents at Work, Annex III

Not listed.

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## 16. Other information

<b>References</b>	Not available.
<b>Information on evaluation method leading to the classification of mixture</b>	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
<b>Full text of any H-statements not written out in full under Sections 2 to 15</b>	H319 Causes serious eye irritation. H360 May damage fertility or the unborn child.
<b>Revision information</b>	This document has undergone significant changes and should be reviewed in its entirety.
<b>Training information</b>	Follow training instructions when handling this material.
<b>Compiler of the Safety Data Sheet</b>	HP Inc.
<b>Competency certificate number</b>	Not available.
<b>Competency certificate date</b>	Not available.



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## Disclaimer

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## 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