



## SAFETY DATA SHEET

### SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

|  |   |  |
|--|---|--|
| <b>Important information</b>                                   | *** 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. *** |  |
| <b>GHS product identifier</b>                                  | CH615Series   |  |
| <b>Other means of identification</b>                           | None.   |  |
| <b>Recommended use of the chemical and restrictions on use</b> |   |  |
| <b>Recommended use</b>   | Inkjet printing   |  |
| <b>Recommended restrictions</b>                                | None known.   |  |
| <b>Suppliers details</b>                                       |   |  |
| <b>Company identification</b>                                  | Computing and Printing Mexico S. de R.L. de C.V.<br>Avenida Javier Barros Sierra 495, Piso 11 y 10<br>Col. Santa Fe, Alc. Álvaro Obregón<br>C.P. 01376, Ciudad de México, México                                  |  |
| <b>Telephone</b>   | 52 (55) 5258-4000   |  |
| <b>HP Inc. health effects line</b>                             |   |  |
| <b>(Toll-free within the US)</b>                               | 1-800-457-4209  |  |
| <b>(Direct)</b>  | 1-760-710-0048  |  |
| <b>HP Inc. Customer Care Line</b>                              |   |  |
| <b>(Toll-free within the US)</b>                               | 1-800-474-6836  |  |
| <b>(Direct)</b>  | 1-208-323-2551  |  |
| <b>Email:</b>  | hpcustomer.inquiries@hp.com   |  |

### SECTION 2: Hazard identification

#### Classification of the substance or mixture

|                              |   |             |
|------------------------------|---|-------------|
| <b>Physical hazards</b>      | Not classified.                                     |             |
| <b>Health hazards</b>        | Reproductive toxicity (fertility, the unborn child) | Category 1B |
| <b>Environmental hazards</b> | Not classified.                                     |             |

#### GHS label elements, including precautionary statements



|                         |   |  |
|-------------------------|---|--|
| <b>Signal word</b>      | Danger                                    |  |
| <b>Hazard statement</b> | H360                                      |  |
|                         | May damage fertility or the unborn child. |  |

#### Precautionary statement

##### 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. |
|------|------------------|

|  |  |
|--|--|
| <b>Disposal</b><br>P501                                    | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Other hazards which do not result in classification</b> | Complete toxicity data are not available for this specific formulation.<br><br>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.<br><br>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. |
| <b>GHS Supplemental information</b>                        | 2-pyrrolidone: Specific Concentration Limits, Reproductive toxicity Category 1B, fertility or the unborn child 3%.   |

### SECTION 3. Composition/information on ingredients

#### Mixtures

| Chemical identity | Common name(s), synonym(s) | CAS number and other unique identifiers | Concentration |
|-------------------|----------------------------|---|---------------|
| Water             |                            | 7732-18-5                               | 60-80         |
| 2-pyrrolidone     |                            | 616-45-5                                | <20           |
| Black Pigment     |                            | Proprietary                             | <2.5          |

|                             |   |
|-----------------------------|---|
| <b>Composition comments</b> | This ink supply contains an aqueous ink formulation.<br><br>Carbon black is present only in a bound form in this preparation. 2-pyrrolidone: Specific Concentration Limit 3%. |
|-----------------------------|---|

### SECTION 4. First-aid measures

#### Description of necessary first-aid measures

|   |   |
|---|---|
| <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>Most important symptoms/effects, acute and delayed</b> | Not available.  |

### SECTION 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                | Dry chemical, CO2, water spray or regular foam. |
| <b>Unsuitable extinguishing media</b>              | None known.                                     |
| <b>Specific hazards arising from the chemical</b>  | None known.                                     |
| <b>Special protective actions for firefighters</b> | Not available.                                  |
| <b>Specific methods</b>                            | None established.                               |

### SECTION 6. Measures that must be taken in the event of accidental spillage or an accidental leak

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

|  |  |
|--|--|
| <b>For non-emergency personnel</b>                           | Wear appropriate personal protective equipment.  |
| <b>For emergency responders</b>                              | Not available.   |
| <b>Environmental precautions</b>                             | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| <b>Methods and materials for containment and cleaning up</b> | Not available.   |

**Other issues relating to spills and releases** Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

## SECTION 7. Handling and storage

**Precautions to ensure safe handling** Avoid contact with skin, eyes and clothing.

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

## SECTION 8. Exposure controls/personal protection

### Control parameters

### Occupational exposure limits

#### Mexico. Occupational Exposure Limit Values

| Components    | Type | Value     |
|---------------|------|-----------|
| Black Pigment | STEL | 7 mg/m3   |
|               | TWA  | 3.5 mg/m3 |

#### US. ACGIH Threshold Limit Values

| Components    | Type | Value   | Form                |
|---------------|------|---------|---------------------|
| Black Pigment | TWA  | 3 mg/m3 | Inhalable fraction. |

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

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

**Control banding approach** Not available.

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

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

**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.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Form** Not available.

**Color** Black.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**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.

|  |                  |
|--|------------------|
| <b>Explosive limit - lower (%)</b>             | Not available.   |
| <b>Explosive 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>Molecular weight</b>                        | Not available.   |
| <b>Other information</b>                       |                  |
| <b>Oxidizing properties</b>                    | Not determined   |
| <b>Percent volatile</b>                        | 19 % estimated   |
| <b>VOC</b>                                     | < 306 g/L        |

## SECTION 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available.  |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.  |
| <b>Possibility of hazardous reactions</b> | Will not occur.   |
| <b>Conditions to avoid</b>                | Not available.  |
| <b>Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents.  |
| <b>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

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <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.  |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Information on toxicological effects

**Acute toxicity** 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) |                |                     |
| <b>Acute</b>                 |                |                     |
| <b>Oral</b>                  |                |                     |
| LD50                         | Rat            | > 5000 mg/kg        |
| Black Pigment                |                |                     |
| <b>Acute</b>                 |                |                     |
| <b>Oral</b>                  |                |                     |
| LD50                         | Rat            | > 10000 mg/kg       |

**Skin corrosion/irritation** 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.<br><br>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.<br><br>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.  |
| <b>Other information</b>                                  | Complete toxicity data are not available for this specific formulation<br>Refer to Section 2 for potential health effects and Section 4 for first aid measures.  |

## SECTION 12. Ecotoxicological information

|  |   |                            |                      |
|--|---|----------------------------|----------------------|
| <b>Aquatic toxicity</b>                                  | This product has not been tested for ecological effects. This material is not expected to be harmful to aquatic life. |                            |                      |
| <b>Ecotoxicity</b>                                       |   |                            |                      |
| <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)                             |   |                            |                      |
| <b>Aquatic</b>   |   |                            |                      |
| Crustacea  | EC50  | Water flea (Daphnia pulex) | 13.21 mg/l, 48 hours |
| <b>Persistence and degradability</b>                     | Not available.  |                            |                      |
| <b>Bioaccumulative potential</b>                         | Not available.  |                            |                      |
| <b>Partition coefficient n-octanol / water (log Kow)</b> |   |                            |                      |
| 2-pyrrolidone  |   | -0.85                      |                      |
| <b>Mobility in soil</b>                                  | Not available.  |                            |                      |
| <b>Other adverse effects</b>                             | Not available.  |                            |                      |

## SECTION 13. Disposal considerations

|  |   |
|--|---|
| <b>Disposal methods</b>                      |   |
| <b>Disposal instructions</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. |
| <b>Local disposal regulations</b>            | Not available.  |
| <b>Waste from residues / unused products</b> | Not available.  |
| <b>Contaminated packaging</b>                | Not available.  |

## SECTION 14. Transport information

|                  |                |
|------------------|----------------|
| <b>DOT</b>       |                |
| <b>UN number</b> | 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  
**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.

## SECTION 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

#### Mexico. Hazard identification guidance list (NOM-018-STPS)

NEGRO DE HUMO (NEGRO DE CARBÓN) (CAS            Listed.  
Proprietary)

#### Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)

Not listed.

#### International 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.

#### Montreal Protocol

Not applicable.

#### Stockholm Convention

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

---

**SECTION 16. Other included information relevant to the preparation and updating of safety data sheets**

**Issue date** 05-Jun-2015  
**Revision date** 29-Jan-2020  
**Version #** 09

**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  |