



# SAFETY DATA SHEET

## 1. Identification of the substance or mixture and of the supplier

1.1 GHS product identifier C6656Series

1.2 Other means of identification Not available.

### 1.3 Recommendations and restrictions on the use of substances or mixtures

Recommended use Inkjet printing

Recommended restrictions Not available.

### 1.4 Supplier's details

HP Inc (Thailand) Ltd.  
968 U Chu Liang Building, 3rd Floor, Rama IV Rd., Silom, Bangrak, BKK 10500  
Bangkok, Bangkok, Thailand 10500

Telephone 66 2353 0888

Main Fax 66 2353 9555

### 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](mailto:hpcustomer.inquiries@hp.com)

## 2. Hazards identification

### 2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

### 2.2 GHS label elements

#### Hazard symbol(s)



Signal word Warning

Hazard statement(s) Flammable liquid and vapor.

#### Precautionary statement(s)

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection.

##### Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use to extinguish.

##### Storage

Store in a well-ventilated place. Keep cool.

##### Disposal

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

**2.3 Other hazards which do not result in GHS classification** The flammability hazard classification required by OSHA CFR 1910.1200 (HazCom 2012) is specific to the industrial and commercial use of the product. A hazard label is not required for consumer products under the Federal Hazardous Substances Act.

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. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

**Supplemental information** None.

### 3. Composition/information on ingredients

#### 3.2 Mixture

Chemical identity	Common name and synonym	CAS number and other unique identifiers	Concentration or concentration range
Water		7732-18-5	75-85
2-pyrrolidone		616-45-5	<15
Carbon black		1333-86-4	<5
Isopropyl alcohol		67-63-0	<2.5

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

Carbon black is present only in a bound form in this preparation.

### 4. First-aid measures

#### 4.1 Description of 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.

**4.2 Most important symptoms/effects, acute and delayed** Contact with skin and eyes may result in irritation.

**4.3 Indication of immediate medical considerations and important specific treatment that should be performed** Not available.

### 5. Fire-fighting measures

#### 5.1 Prohibited extinguishing media and suitable extinguishing media

<b>Suitable extinguishing media</b>	CO2, water, dry chemical, or foam
<b>Unsuitable extinguishing media</b>	None known.

**5.2 Specific hazards arising from chemicals** Not applicable.

**5.3 Special protective equipment and precautions for fire-fighters** None established.

**General fire hazards** Contact with skin and eyes may result in irritation.

**Specific methods** None established.

### 6. Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Wear appropriate personal protective equipment.

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

### 6.3 Methods and materials for containment and cleaning up

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. Slowly vacuum or sweep the material into a bag or other sealed container.  
Dispose of in compliance with federal, state, and local regulations.

### 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.

## 7. Handling and storage

### 7.1 Precautions for safe handling, use and storage

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.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

##### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm	
	TWA	200 ppm	

#### Biological limit values

##### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

#### Exposure guidelines

Exposure limits have not been established for this product.

### 8.2 Appropriate engineering controls

Use in a well ventilated area.

### 8.3 Personal protective measures

#### Eye/face protection

Not available.

#### Skin protection

##### Hand protection

Recommended gloves: Nitrile 4 mil minimum thickness.

##### Other

Not available.

#### Respiratory protection

Not available.

#### Thermal hazards

Not available.

### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and chemical properties

#### Physical state

Liquid.

#### Form

Not available.

#### Color

Black.

### 9.2 Odor

Not available.

### 9.3 Odor threshold limit

Not available.

### 9.4 pH

7.8 - 8.4

### 9.5 Melting point/freezing point

Not available.

### 9.6 Initial boiling point and boiling range

200 °F (93.33 °C)

### 9.7 Flash point

131.0 - 136.0 °F (55.0 - 57.8 °C)

### 9.8 Evaporation rate

Not determined

### 9.9 Flammability (solid, gas)

Not available.

### 9.10 Upper/lower flammability or explosive limits

#### Flammability limit - lower (%)

Not available.

Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
9.11 Vapor pressure	Not determined
9.12 Vapor density	Not available.
9.14 Solubility(ies)	
Solubility (water)	Soluble in water
9.15 Partition coefficient: n-octanol/water	Not determined
9.16 Auto-ignition temperature	Not available.
9.17 Decomposition temperature	Not available.
9.18 Viscosity	> 2 cp
Other information	
Bulk density	1 - 1.2 gm/ml
Oxidizing properties	Not determined
Specific gravity	1 - 1.2
VOC	< 116.6 g/l

## 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.
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

11.1 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.	
11.2 Symptoms related to physical, chemical and toxicological characteristics	Not available.	
11.3 Delayed and immediate effects, including chronic effects from short- and long-term exposure	Not available.	
11.4 Numerical values of toxicity		
Acute toxicity	Based on available data, the classification criteria are not met.	
Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
Acute		
Oral		
LD50	Rat	> 5000 mg/kg
Carbon black (CAS 1333-86-4)		
Acute		
Oral		
LD50	Rat	> 10000 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.

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

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.

## ACGIH Carcinogens

Carbon black (CAS 1333-86-4)

A3 Confirmed animal carcinogen with unknown relevance to humans.

Isopropyl alcohol (CAS 67-63-0)

A4 Not classifiable as a human carcinogen.

## IARC. Monographs on the evaluation of carcinogenic risks to humans

Carbon black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

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

**Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.

**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.

**Further 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 Ecological toxicity

Product		Species	Test Results
C6656Series			
<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>
2-pyrrolidone (CAS 616-45-5)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> )	13.21 mg/l, 48 hours
Isopropyl alcohol (CAS 67-63-0)			
<b>Aquatic</b>			
Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	> 1400 mg/l, 96 hours
<i>Acute</i>			
Algae	EC50	Algae	> 1000 mg/l, 72 hours
Crustacea	EC50	Daphnia	13299 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	9460 mg/l, 96 hours

**Aquatic toxicity** Not expected to be harmful to aquatic organisms.

**12.2 Persistence and degradability** No data is available on the degradability of this product.

**12.3 Bioaccumulative potential** Not available.

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

2-pyrrolidone -0.85

Isopropyl alcohol 0.05

**12.4 Mobility in soil** Not available.

**12.5 Other adverse effects** Not available.

---

### 13. Disposal considerations

<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.  HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> .
<b>Local disposal regulations</b>	Not available.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	No special precautions.

---

### 14. Transport information

<b>DOT</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.
<b>ADR</b>	Not regulated as dangerous goods.
<b>Further information</b>	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.  No ignition, sustained combustion, or flashing detected, using the Sustained Combustibility Test prescribed in the UN Manual of Tests and Criteria, Part III subsection 32.5.2. Refer to Dangerous Goods Regulations Section 3.3.1.3. No ignition, sustained combustion or flashing detected using the sustained combustibility test (method in US CFR173, Appendix H).

---

### 15. Regulatory information

<b>Federal regulations</b>	<b>Thailand. Explosive Substances &amp; Precursors (Ministry of Defense Notification Re: Arms Subject to Imports License)</b> Not regulated. <b>Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals</b> Isopropyl alcohol (CAS 67-63-0) <b>Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to More Dangerous Chemicals</b> Not regulated. <b>Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)</b> Not regulated.
<b>International regulations</b>	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.

---

### 16. Other information, including date of preparation or last revision

<b>Issue date</b>	05-Apr-2018
<b>Version #</b>	01
<b>Disclaimer</b>	<p>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.</p> <p>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.</p>

**Revision information**

Product and Company Identification: Product Uses  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Toxicological Information: Toxicological Data  
Ecological Information: Ecotoxicity  
15. Regulatory Information: Risk Phrases - Labeling  
HazReg Data: Pacific Rim  
GHS: Classification

**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