



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Material name** CD971Series  
**Recommended use** Inkjet printing  
**Issue date** 01-Apr-2015  
**Revision date** 26-Aug-2015  
**Version #** 05  
**CAS #** Mixture  
**Company identification** HP PPS Australia Pty Ltd  
353 Burwood Hwy L1  
Forest Hill, Victoria, Australia 3131  
Telephone +61 3 8833 5000

HP health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-760-710-0048  
HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomer.inquiries@hp.com  
Poison Information Centre 131 126 (24 hours)

## 2. HAZARDS IDENTIFICATION

### Classification of the hazardous chemical

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.

### GHS label elements

**Symbols** None.  
**Signal words** None.  
**Hazard statement** None.

### Precautionary statement

**Prevention** None.  
**Response** None.  
**Storage** None.  
**Disposal** None.

### Other hazards

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

### Regulatory status

Australia: Non-hazardous substance. Non-dangerous goods.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Water	7732-18-5	70-80
1,5-pentanediol	111-29-5	<7.5
2-pyrrolidone	616-45-5	<7.5
Carbon black	1333-86-4	<5

**Composition comments** This ink supply contains an aqueous ink formulation.  
This product was evaluated according to the criteria of the Australia Work Health and Safety Regulations (WHS Regulations).

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

---

#### 4. 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.

---

#### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media** CO2, water, dry chemical, or foam  
**Extinguishing media which must not be used for safety reasons** None known.  
**Unusual fire & explosion hazards** None known.  
**Specific methods** None established.  
**HAZCHEM code** None.  
**Hazardous combustion products** Refer to section 10.

---

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions** Wear appropriate personal protective equipment.  
**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system.  
**Methods for cleaning up** Soak up with inert absorbent material.  
**Other information** 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

**Handling** Avoid contact with skin, eyes and clothing.  
**Storage** Keep out of the reach of children. Keep away from excessive heat or cold.

---

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Occupational exposure limits

###### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3	Inhalable fraction.

###### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3

###### Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

Components	Type	Value
Carbon black (CAS 1333-86-4)	TWA	3 mg/m3

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

##### Recommended monitoring procedures

**Additional exposure data** Exposure limits have not been established for this product.

**Engineering measures to reduce exposure** Use in a well ventilated area.

##### Personal protective equipment

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

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

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

<b>Physical state</b>	Not available.
<b>Color</b>	Black.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	7 - 8
<b>Vapor pressure</b>	Not determined
<b>Boiling point</b>	Not determined
<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Soluble in water
<b>Specific gravity</b>	1 - 1.2
<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not determined
<b>Auto-ignition temperature</b>	Not available.
<b>VOC</b>	< 146 g/L
<b>Evaporation rate</b>	Not determined
<b>Viscosity</b>	>= 2 cp
<b>Other data</b>	
<b>Oxidizing properties</b>	Not determined

---

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Not available.
<b>Materials to avoid</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.
<b>Hazardous polymerization</b>	Will not occur.

---

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<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.
<b>Respiratory or skin sensitization</b>	
<b>Skin sensitization</b>	Based on available data, the classification criteria are not met.
<b>Respiratory sensitizer</b>	Based on available data, the classification criteria are not met.
<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.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

<b>Mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductivity</b>	Based on available data, the classification criteria are not met.
<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 toxicity</b>	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.

**Toxicological data**

Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Guinea pig	6500 mg/kg
	Rat	6500 mg/kg
Carbon black (CAS 1333-86-4)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg

**12. ECOLOGICAL INFORMATION**

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

**Ecotoxicological data**

Product	Species	Test Results
CD971Series (CAS Mixture)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) > 750 mg/l, 96 hours
Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> ) 13.21 mg/l, 48 hours

**Bioaccumulation****Bioaccumulative potential****Octanol/water partition coefficient log Kow**

2-pyrrolidone -0.85

**Environmental effects** Not available.

**13. DISPOSAL CONSIDERATIONS****Disposal instructions**

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 <http://www.hp.com/recycle>.

**14. TRANSPORT INFORMATION****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**ADR**

Not regulated as dangerous goods.

**Further information**

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

**HAZCHEM code**

None.

**15. REGULATORY INFORMATION****National regulations**

No information available.

**Australia HVIC: Listed substance**

Carbon black (CAS 1333-86-4) Listed.

**Regulatory information**

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****Other information**

This SDS was prepared in compliance with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets", 2003.

**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.

**Prepared by**

HP

**Issue date**

01-Apr-2015

**Revision date**

26-Aug-2015

**Version #**

05

**Manufacturer information**

HP  
1501 Page Mill Road  
Palo Alto, CA 94304-1112 US  
Direct 1-650-857-5020

**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