

CC644 Series[Y][3]-MSDS\_RUSSIA-English-34.pdf

CC644 Series[C][3]-MSDS\_RUSSIA-English-19.pdf

CC644 Series[M][3]-MSDS\_RUSSIA-English-18.pdf



# MATERIAL SAFETY DATA SHEET

## 1. Product and company identification

**Product name** CC644 Series[Y][3]  
**Recommended use** Inkjet printing  
**Limitations on use** Not available.  
**Issue date** 14-Jun-2015  
**Revision date** 11-Sep-2015  
**Version #** 02  
**Company identification** Limited Liability Company HP Inc  
Leningradskoe shosse, 16A block 3, 9th Floor  
Moscow, Russian Federation 125171  
Telephone 7 495 797-3500  
  
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

## 2. Hazards identification

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

**Label elements**  
**Symbols** None.  
**Signal word** None.

**Hazard statement** Not available.

**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**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.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Chemical property	CAS Number	Concentration (%)
Water	7732-18-5	65-75
Aliphatic diol	Proprietary	< 15
Yellow colorant	Proprietary	< 7.5
magnesium nitrate hexahydrate	13446-18-9	< 5

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

## 4. First aid measures

### First aid measures for different exposure routes

**Inhalation** Move to fresh air. If symptoms persist, get medical attention.  
**Ingestion** If ingestion of a large amount does occur, seek 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>Most important symptoms and effects</b>	Not available.
<b>Notes to physician</b>	Not available.

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## 5. Fire-fighting measures

<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
<b>General fire hazards</b>	Not available.
<b>Suitable extinguishing media</b>	CO2, water, dry chemical, or foam
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards during fire fighting</b>	None.
<b>Special fire fighting procedures</b>	None.
<b>Personal protective equipment for fire-fighting</b>	None.
<b>Specific methods</b>	None established.

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## 6. Accidental release measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Clean-up methods and materials and containment measures</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.

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## 7. Handling and storage

<b>Handling</b>	
<b>Safe handling advice</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	
<b>Technical measures</b>	Keep out of the reach of children. Keep away from excessive heat or cold.
<b>Incompatible materials</b>	Not available.

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## 8. Exposure controls/personal protection

### Occupational exposure limits

### Personal protective equipment

<b>General</b>	Use personal protective equipment to minimize exposure to skin and eye.
<b>Engineering measures</b>	Use in a well ventilated area.

### Personal protective equipment

<b>Respiratory protection</b>	Not available.
<b>Hand protection</b>	Not available.
<b>Eye protection</b>	Not available.
<b>Skin and body protection</b>	Not available.

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## 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	Liquid.
<b>Color</b>	Yellow
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	7.2 - 7.4
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not determined
<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup

<b>Heat of combustion</b>	Not available.
<b>Auto-ignition temperature</b>	Not determined
<b>Decomposition temperature</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>Viscosity</b>	>= 2 cp
<b>Solubility</b>	Soluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Evaporation rate</b>	Not determined
<b>Oxidizing properties</b>	Not determined
<b>VOC (Weight %)</b>	< 241 g/l

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## 10. Stability and reactivity

<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	None.
<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.

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## 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 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.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.

**Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008**

Not listed.

<b>Toxic to reproduction</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 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 Refer to Section 2 for potential health effects and Section 4 for first aid measures.

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Aliphatic diol (CAS Proprietary)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Oral</i>		
LD50	Rat	3730 mg/kg
<i>Other</i>		
LD50	Mouse	1738 mg/kg

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## 12. Ecological information

**Aquatic toxicity** Static acute toxicity (trout), survival (100 mg/L) = 100%  
Static acute toxicity (trout), survival (10 mg/L) = 100%

**Persistence and degradability** Not available.

### Bioaccumulation

#### Bioaccumulative potential

##### Octanol/water partition coefficient log Kow

Aliphatic diol -0.106

**Mobility in soil** Not available.

**Other hazardous effects** Not available.

### Ecotoxicological data

Product	Species	Test Results
CC644 Series[Y][3] (CAS Mixture)		
<b>Aquatic</b>		
<i>Acute</i>		
Fish	LC50 Fathead minnow ( <i>Pimephales promelas</i> )	434 mg/l, 96 hours

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## 13. Disposal considerations

**Local disposal regulations** 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>.

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## 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.

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## 15. Regulatory information

**Applicable 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.

### Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

### Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

### Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Not listed.

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## 16. Other information

### 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.

**Issue date** 14-Jun-2015  
**Revision date** 11-Sep-2015  
**Version #** 02  
**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



# MATERIAL SAFETY DATA SHEET

## 1. Product and company identification

**Product name** CC644 Series[C][3]  
**Recommended use** Inkjet printing  
**Limitations on use** Not available.  
**Issue date** 14-Jun-2015  
**Revision date** 10-Sep-2015  
**Version #** 02  
**Company identification** Limited Liability Company HP Inc  
Leningradskoe shosse, 16A block 3, 9th Floor  
Moscow, Russian Federation 125171  
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HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomer.inquiries@hp.com

## 2. Hazards identification

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

**Label elements**  
**Symbols** None.  
**Signal word** None.

**Hazard statement** Not available.

**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**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.

## 3. Composition/information on ingredients

Substance or mixture	CAS Number	Concentration (%)
Water	7732-18-5	65-75
1,5-pentanediol	111-29-5	<7.5
Aliphatic diol	Proprietary	<7.5
Copper phthalocyanine direct dye salt	Proprietary	<5
magnesium nitrate hexahydrate	13446-18-9	<5

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

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## 4. First aid measures

### First aid measures for different exposure routes

<b>Inhalation</b>	Remove to fresh air. If symptoms persist, get medical attention.
<b>Ingestion</b>	If ingestion of a large amount does occur, seek medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<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.

**Most important symptoms and effects** Not available.

**Notes to physician** Not available.

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## 5. Fire-fighting measures

**Flash point** > 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup

**General fire hazards** Not available.

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

**Unsuitable extinguishing media** None known.

**Specific hazards during fire fighting** None.

**Special fire fighting procedures** None.

**Personal protective equipment for fire-fighting** None.

**Specific methods** None established.

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## 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.

**Clean-up methods and materials and containment measures** 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.

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## 7. Handling and storage

### Handling

**Safe handling advice** Avoid contact with skin, eyes and clothing.

### Storage

**Technical measures** Keep out of the reach of children.  
Keep away from excessive heat or cold.

**Incompatible materials** Not available.

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## 8. Exposure controls/personal protection

### Occupational exposure limits

### Personal protective equipment

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

**Engineering measures** Use in a well ventilated area.

### Personal protective equipment

**Respiratory protection** Not available.

**Hand protection** Not available.

**Eye protection** Not available.

**Skin and body protection** Not available.

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## 9. Physical and chemical properties

### Appearance

**Physical state** Not available.

**Color** Cyan

**Odor** Not available.

**Odor threshold** Not available.

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<b>pH</b>	7 - 7.5
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not determined
<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
<b>Heat of combustion</b>	Not available.
<b>Auto-ignition temperature</b>	Not Determined
<b>Decomposition temperature</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>Viscosity</b>	Not available.
<b>Solubility</b>	Soluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Evaporation rate</b>	Not determined
<b>Oxidizing properties</b>	Not determined
<b>VOC (Weight %)</b>	< 269 g/l

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## 10. Stability and reactivity

<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	None.
<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.

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## 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 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.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008</b>	
	Not listed.
<b>Toxic to reproduction</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 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 Refer to Section 2 for potential health effects and Section 4 for first aid measures.

Components	Species	Test Results
Aliphatic diol (CAS Proprietary)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Oral</i>		
LD50	Rat	3730 mg/kg
<i>Other</i>		
LD50	Mouse	1738 mg/kg

## 12. Ecological information

**Persistence and degradability** Not available.

### Bioaccumulation

#### Bioaccumulative potential

##### Octanol/water partition coefficient log Kow

Aliphatic diol -0.106

**Mobility in soil** Not available.

**Other hazardous effects** Not available.

### Ecotoxicological data

Product	Species	Test Results
CC644 Series[C][3] (CAS Mixture)		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae > 100 mg/l, 72 hours
Crustacea	EC50	Daphnia > 100 mg/l, 48 hours

## 13. Disposal considerations

**Local disposal regulations** 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.

## 15. Regulatory information

**Applicable 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.

### Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

### Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

Not listed.

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## 16. Other information

### 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.

### Issue date

14-Jun-2015

### Revision date

10-Sep-2015

### Version #

02

### 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



# MATERIAL SAFETY DATA SHEET

## 1. Product and company identification

**Product name** CC644 Series[M][3]  
**Recommended use** Inkjet printing  
**Limitations on use** Not available.  
**Issue date** 21-Jun-2015  
**Revision date** 10-Sep-2015  
**Version #** 02  
**Company identification** Limited Liability Company HP Inc  
Leningradskoe shosse, 16A block 3, 9th Floor  
Moscow, Russian Federation 125171  
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HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomer.inquiries@hp.com

## 2. Hazards identification

**Hazard classification**  
**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.  
**Label elements**  
**Symbols** None.  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.  
**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.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Chemical property	CAS Number	Concentration (%)
Water	7732-18-5	65-75
Aliphatic diol	Proprietary	<15
magnesium nitrate hexahydrate	13446-18-9	<2.5

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

## 4. First aid measures

### First aid measures for different exposure routes

**Inhalation** Move to fresh air. If symptoms persist, get medical attention.

<b>Ingestion</b>	If ingestion of a large amount does occur, seek medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<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>Most important symptoms and effects</b>	Not available.
<b>Notes to physician</b>	Not available.

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## 5. Fire-fighting measures

<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
<b>General fire hazards</b>	Not available.
<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards during fire fighting</b>	None.
<b>Special fire fighting procedures</b>	None.
<b>Personal protective equipment for fire-fighting</b>	None.
<b>Specific methods</b>	None established.

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## 6. Accidental release measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment.
<b>Environmental precautions</b>	Do not flush into surface water or sanitary sewer system. Do not let product enter drains.
<b>Clean-up methods and materials and containment measures</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.

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## 7. Handling and storage

<b>Handling</b>	
<b>Safe handling advice</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	
<b>Technical measures</b>	Keep out of the reach of children. Keep away from excessive heat or cold.
<b>Incompatible materials</b>	Not available.

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## 8. Exposure controls/personal protection

### Occupational exposure limits

### Personal protective equipment

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

**Engineering measures** Use in a well ventilated area.

### Personal protective equipment

**Respiratory protection** Not available.

**Hand protection** Not available.

**Eye protection** Not available.

**Skin and body protection** Not available.

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## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Color** Magenta

**Odor** Not available.

**Odor threshold** Not available.

**pH** 7 - 7.5

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

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

<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
<b>Heat of combustion</b>	Not available.
<b>Auto-ignition temperature</b>	Not Determined
<b>Decomposition temperature</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>Viscosity</b>	Not available.
<b>Solubility</b>	Soluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Evaporation rate</b>	Not determined
<b>Oxidizing properties</b>	Not determined
<b>VOC (Weight %)</b>	< 251 g/l

## 10. Stability and reactivity

<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	None.
<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.

## 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 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.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008</b>	
	Not listed.
<b>Toxic to reproduction</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 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 Refer to Section 2 for potential health effects and Section 4 for first aid measures.

Components	Species	Test Results
Aliphatic diol (CAS Proprietary)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 10000 mg/kg
<i>Oral</i>		
LD50	Rat	3730 mg/kg

Components	Species	Test Results
<i>Other</i> LD50	Mouse	1738 mg/kg

## 12. Ecological information

**Persistence and degradability** Not available.

### Bioaccumulation

#### Bioaccumulative potential

##### Octanol/water partition coefficient log Kow

Aliphatic diol -0.106

**Mobility in soil** Not available.

**Other hazardous effects** Not available.

### Ecotoxicological data

Product	Species	Test Results
CC644 Series[M][3] (CAS Mixture)		
<b>Aquatic</b>		
Algae	EC50	Algae > 100 mg/l, 72 hr
	NOEC	Algae 100 mg/l, 72 hr
Crustacea	EC50	Daphnia > 100 mg/l, 48 hr
	NOEC	Daphnia 100 mg/l, 48 hr

## 13. Disposal considerations

**Local disposal regulations** Do not dispose of together with general office waste. 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.

## 15. Regulatory information

**Applicable 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.

### Russian Federation. Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

### Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.

Not listed.

### Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Not listed.

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## 16. Other information

### 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.

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### Manufacturer information

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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