

CH590Series[C][2]-MSDS_RUSSIA-English-22.pdf

CH590Series[M][2]-MSDS_RUSSIA-English-18.pdf



MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name CH590Series[C][2]
Recommended use Inkjet printing
Limitations on use Not available.
Issue date 13-Jun-2015
Revision date 28-Aug-2016
Version # 03
Company identification ZAO Hewlett-Packard A.O.
Highway Leningradskoe, House 16A, Building 3,
125171, Moscow
Telephone 7 495 797-3500

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
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(Direct) 1-208-323-2551
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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	80-90
Cyclo Amide	Proprietary	< 10
Pigment Blue	Proprietary	< 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.
Ingestion If ingestion of a large amount does occur, seek 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.
Most important symptoms and effects	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

Flash point	> 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup
General fire hazards	Not available.
Suitable extinguishing media	CO2, water, dry chemical, or foam
Unsuitable extinguishing media	None known.
Specific hazards during fire fighting	Not available.
Special fire fighting procedures	None.
Personal protective equipment for fire-fighting	None.
Specific methods	Wear self contained breathing apparatus for fire fighting if necessary.

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	Not available.

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.

8. Exposure controls/personal protection

Occupational exposure limits

Russian Federation. 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.

Components	Type	Value	Form
Pigment Blue (CAS Proprietary)	TWA	5 mg/m ³	Aerosol.

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.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Color Cyan

Odor Not available.

Odor threshold Not available.

pH 8.8 - 9.1

Melting point/freezing point Not available.

Initial boiling point and boiling range	Not available.
Flash point	> 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup
Heat of combustion	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Viscosity	3.2 - 3.3 cP
Solubility	Not available.
Partition coefficient (n-octanol/water)	Not available.
Other data	
VOC (Weight %)	11 g/L US EPA Method 24
Other information	VOC according to EC Directive 1999/13/EC: <5 g/L

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
Incompatible materials	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of phosphorus. hydrogen fluoride fluorinated hydrocarbons

11. Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met.
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.
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.
Toxic to reproduction	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.
Other information	Complete toxicity data are not available for this specific formulation

12. Ecological information

Ecotoxicity	No information available.
Persistence and degradability	Not available.
Bioaccumulation	Not available.
Mobility in soil	Not available.
Other hazardous effects	Not available.

Ecotoxicological data

Product	Species	Test Results
CH590Series[C][2] Aquatic <i>Acute</i> Fish	LD50	Fathead minnow (<i>Pimephales promelas</i>) > 750 mg/l, 96 hr

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 product are notified or exempt from notification under chemical substance notification laws in the following countries: Australia, Canada, China, European Union, Japan, Korea, Switzerland, USA.

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.

Pigment Blue (CAS Proprietary) Listed.

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 13-Jun-2015

Revision date 28-Aug-2016

Version # 03

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

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds



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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	75-85
Cyclo Amide	Proprietary	< 10
Magenta colorant	Proprietary	< 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.
- 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.
Most important symptoms and effects	Not available.
Notes to physician	Not available.

5. Fire-fighting measures

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

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	Not available.

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.

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.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Color	Magenta
Odor	Not available.
Odor threshold	Not available.
pH	8.8 - 9.1
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
Heat of combustion	Not available.
Auto-ignition temperature	Not available.

Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Viscosity	3.2 - 3.3 cP
Solubility	Not available.
Partition coefficient (n-octanol/water)	Not available.
Other data	
VOC (Weight %)	43 g/L US EPA Method 24
Other information	VOC according to EC Directive 1999/13/EC: <5 g/L

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
Incompatible materials	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Decomposition of this product may yield oxides of phosphorus. hydrogen fluoride fluorinated hydrocarbons

11. Toxicological information

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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.
Other information	Complete toxicity data are not available for this specific formulation

12. Ecological information

Persistence and degradability	Not available.
Bioaccumulation	Not available.
Mobility in soil	Not available.
Other hazardous effects	Not available.

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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Further information

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

15. Regulatory information

Applicable regulations

All chemical substances in this product are notified or exempt from notification under chemical substance notification laws in the following countries: Australia, Canada, China, European Union, Japan, Korea, Switzerland, USA.

16. Other information

Disclaimer

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Version

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Direct 1-650-857-5020

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds