

SAFETY DATA SHEET

Issue date: 07-Jun-2013 Revision date: 20-Jun-2020

Version #: 08

1. Chemical and company identification

Important information *** 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. ***

Name of chemical (Product

name)

CN709Series

HP Japan Inc.

5F Ojima2-2-1 Koto-ku Tokyo, Japan 136-8711

Poison Information Centre

Telephone

0120-50-3024 (+81) 3 5628-1101

HP Inc. health effects line

(Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048

HP Inc. Customer Care

I ine

1-800-474-6836 (Toll-free within the US) (Direct) 1-208-323-2551

hpcustomer.inquiries@hp.com

Recommended use of the chemical and restrictions on use

Intended use Inkjet printing.

2. Hazards identification

GHS classification

Physical hazards The product is not classified according to GHS.

Health hazards Reproductive toxicity (fertility, the unborn Category 1B

child)

Environmental hazards The product is not classified according to GHS.

GHS label elements

Symbols



Signal words

Hazard statement May damage fertility or the unborn child.

Precautionary statement

Prevention Wear protective gloves/protective clothing/eye protection. Do not handle until all safety

precautions have been read and understood. Obtain special instructions before use.

Response IF exposed or concerned: Get medical advice/attention.

Store locked up. Storage

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

Other hazards which do not result in classification

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.

Supplemental information 2-pyrrolidone: Specific Concentration Limits, Reproductive toxicity Category 1B, fertility or the

unborn child 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an

animal study. See Section 11.

3. Composition/information on ingredients

Substance or mixture Mixture

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Components	Gazette notification			
	CAS Number	ENCS no.	ISHL no.	Concentration (%)
Water	7732-18-5	(9)-447		65-75
2-pyrrolidone	616-45-5	(5)-112	(5)-112	<20
Substituted diol	Proprietary	Proprietary	Proprietary	<10
Pigment Blue	Proprietary	Proprietary	Proprietary	<1

Chemical formula H2O (7732-18-5), C4-H7-N-O (616-45-5), C4-H7-N-O (616-45-5)

Composition comments This ink supply contains an aqueous ink formulation.

2-pyrrolidone: Specific Concentration Limit 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an animal study. See Section 11.

4. First aid measures

If inhaled Remove to fresh air. If symptoms persist, get medical attention.

If on skin Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation

develops or persists.

If in eyes 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.

If ingestion of a large amount does occur, seek medical attention.

5. Fire-fighting measures

Extinguishing media Dry chemical, CO2, water spray or regular foam.

Extinguishing media to avoid None known.

Specific methods None established.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures

Wear appropriate personal protective equipment.

Environmental precautions Methods or materials for Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

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.

7. Handling and storage

Handling

Technical measures (e.g.

Local and general

ventilation)

Not available.

Safe handling advice

Avoid contact with skin, eyes and clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Storage

Safe storage conditions

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

Safe packaging materials

Not available.

8. Exposure controls/personal protection

Occupational exposure limits
No exposure limits noted for ingredient(s).

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

Personal protective equipment

Respiratory protection Not available. **Hand protection** Not available.

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

Personal protective equipment

Eye protection Not available.

Skin and body protection Use personal protective equipment to minimize exposure to skin and eye.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Color Light Cyan Not available. Odor

рΗ

Melting point/Freezing point Not available. Boiling point, initial boiling Not available.

point, and boiling range

> 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup Flash point

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

Flammability limit - upper

Not available.

(%)

Explosive limit - lower (%) Not available. Not available. Explosive limit - upper (%) Not available. Vapor pressure Vapor density Not available.

Specific gravity Solubility(ies)

Not available. Solubility (water) **Partition coefficient** Not available.

(n-octanol/water)

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** Viscosity (Coefficient of Not available.

viscosity)

Other information Not determined Oxidizing properties Percent volatile 16 % estimated

VOC 254 g/l (Determined by EPA Method 24)

10. Stability and reactivity

Not available. Reactivity

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous

reactions

None known

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., fluorinated hydrocarbons and hydrogen

fluoride

11. Toxicological information

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

Components **Test Results Species**

2-pyrrolidone (CAS 616-45-5)

Acute Oral

LD50 Rat > 5000 mg/kg

Skin corrosion/irritation Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Serious eye damage/eye Not classified as an irritant according to, OECD 405. irritation

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. Based on available data, the classification criteria are not met. Germ cell mutagenicity

Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

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

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Reproductive toxicity May damage fertility or the unborn child.

2-pyrrolidone: This component showed developmental effects only at high doses that were toxic to pregnant test animals (OECD Testing Guideline 414: Prenatal Developmental Toxicity Study). Uptake by people of small doses is not expected to cause developmental toxicity. This component has not caused adverse effects on sexual function or damage to fertility in an animal study (OECD

Testing Guideline 443: Extended One-Generation Reproductive Toxicity Study).

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

Refer to Section 2 for potential health effects and Section 4 for first aid measures.

12. Ecological information

Ecotoxicological data

Product Species Test Results

CN709Series

Aquatic

Acute

Fish LC50 Fathead minnow (Pimephales promelas) > 750 mg/l, 96 hours

Components Species Test Results

2-pyrrolidone (CAS 616-45-5)

Aquatic

Crustacea EC50 Water flea (Daphnia pulex) 13.21 mg/l, 48 hours

Ecotoxicity No information available.

Persistence and degradability Not available.

Bioaccumulation Not available.

Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone -0.85

Mobility in soilNot available.Hazardous to the ozone layerNot 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.

14. Transport information

DOT

UN number Not available.
UN proper shipping name Not Regulated

Transport hazard class(es)

Class Not available.

Subsidiary risk -

Packing group Not available. 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.

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Subsidiary risk

Not available. Packing group

Transport hazard class(es)

Marine pollutant No.

Not available. **EmS** 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

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.

15. Regulatory information

Industrial Safety and Health Act

Notifiable substances

Not regulated.

Labeling substances

Not regulated.

Poisonous and Deleterious Substances Control Act

Specified poisonous substances

Not regulated.

Poisonous substances

Not regulated.

Deleterious substances

Not regulated.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Class I specified chemical substances

Not regulated.

Class II specified chemical substances

Not regulated.

Monitoring chemical substances

Not regulated.

Priority Assessment Chemical Substances (PACs)

Not regulated.

Reporting Exempted Substances

Not regulated.

Law concerning Pollutant Release and Transfer Register

Specified class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 2 substances (substance name, ordinance number and content)

Not regulated.

Ship Safety Law, Dangerous Not regulated.

Goods Marine Transport and

Storage Rule

Air Law, Enforcement Rule Not regulated.

Explosives Control Act

Not regulated.

Act on Prevention of Marine Pollution and Maritime Disaster

WATER Category: Other Substances

Substituted diol Category: Z Substituted diol Category: Z

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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

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.

Hazards identification: Supplemental information **Revision information**

Composition/information on ingredients: Composition comments

Toxicological information: Reproductivity

Explanation of abbreviations

ACGIH American Conference of Governmental Industrial Hygienists

Chemical Abstracts Service CAS

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

Occupational Safety and Health Administration **OSHA**

PEL Permissible Exposure Limit

Resource Conservation and Recovery Act **RCRA**

REC Recommended

Recommended Exposure Limit REL

Superfund Amendments and Reauthorization Act of 1986 **SARA**

STEL Short-Term Exposure Limit

Toxicity Characteristics Leaching Procedure **TCLP**

TLV Threshold Limit Value

TSCA Toxic Substances Control Act VOC Volatile Organic Compounds

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