



# SAFETY DATA SHEET

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## 1. Identification of the chemical and information about the manufacturer or supplier

### 1.1 Identification of the chemical products

1.1.1 Technical name CB279Series

Other means of identification None.

### 1.1.2 Recommended use of the chemical and restrictions on use

Recommended use Not available.

Limitations on use None known.

### 1.2 Manufacturer/Importer/Supplier/Distributor information

#### 1.2.1 Manufacturer

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

(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

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## 2. Hazard(s) identification

### 2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

Classification according to GOST 12.1.007-76 Not available.

#### GHS classification

Physical hazards Not classified.

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

Environmental hazards Not classified.

### 2.2 Labeling elements in compliance with GOST 31340-2013

2.2.1 Signal word None.

2.2.2 Symbols None.

2.2.3 Hazard statement Not available.

#### Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

Other hazards None known.

Supplemental information None.

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## 3. Composition/information on ingredients

### 3.1 Information on product as a whole

3.1.1 Chemical name (IUPAC) CB279Series

3.1.2 Chemical formula Not available.

**3.1.3 General description of the composition (taking into account the brand assortment; preparation method)** Not available.

### 3.2 Components

Components	Hygienic standards in the working area				CAS-No.	EC No.
	Concentration by weight (%)	MAC, mg/m <sup>3</sup>	TSEL, mg/m <sup>3</sup>	Hazard classification		
Water	70-80	None.	None.		7732-18-5	231-791-2
2-pyrrolidone	<10	10 Aerosol.	None.	4	616-45-5	210-483-1
1,2-Benzisothiazolin-3-one	<0.05	None.	None.		2634-33-5	220-120-9

## 4. First-aid measures

### 4.1. Observed symptoms

**4.1.1 In case of exposure via inhalation** Not available.

**4.1.2 In contact with skin** Not available.

**4.1.3 In contact with eyes** Not available.

**4.1.4 In case of exposure via ingestion** Not available.

### 4.2 First-aid measures to be provided to victims

**4.2.1 In case of exposure via inhalation** Not available.

**4.2.2 In contact with skin** Not available.

**4.2.3 In contact with eyes** Not available.

**4.2.4 In case of exposure via ingestion** Not available.

**4.2.5 Contraindications** Not available.

## 5. Fire-fighting and explosion safety measures and means

**5.1 General characteristics of fire-explosion properties** Not available.

**5.2 Fire-explosion indicators** Not available.

**5.3 Combustion and/or thermal destruction products and hazards arising from these** Not available.

**5.4 Recommended extinguishing media** Not available.

**5.5 Forbidden extinguishing media** Not available.

**5.6 Special protective equipment for firefighters** Not available.

**5.7 Specific extinguishing methods** Not available.

## 6. Accident and emergency prevention and response measures and their consequences

**6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies**

**6.1.1 General required actions in case of an accident or emergency** Not available.

**6.1.2 Personal protection equipment in case of the accident** Not available.

**6.2 Procedures for the elimination of accidents and emergencies**

**6.2.1 Procedures in case of leaks, spills, splashes** Not available.

**6.2.2 Actions in case of fire** Not available.

Environmental precautions Not available.

## 7. Storage and handling requirements of chemicals during loading and unloading

### 7.1 Safety precautions when handling chemical products

7.1.1 Technical safety measures Not available.

7.1.2 Environmental protection measures Not available.

7.1.3 Recommended safe handling and transportation advice Not available.

### 7.2 Chemical storage requirements

7.2.1 Terms and conditions for safe storage Not available.

7.2.2 Packaging Not available.

7.3 Safety measures and storage requirements at domestic use Not available.

## 8. Equipment for monitoring exposure and personal protective equipment

### 8.1 Parameters of the working area that require monitoring

#### Occupational exposure limits

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
2-pyrrolidone (CAS 616-45-5)	Ceiling	10 mg/m <sup>3</sup>	Aerosol.

8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration Not available.

### 8.3 Worker personal protective equipment

8.3.1 General recommendations Not available.

8.3.2 Respiratory protection Not available.

#### 8.3.3 Protective equipment

Eye/face protection Not available.

Hand protection Not available.

Other Not available.

Thermal hazards Not available.

8.3.4 Personal protection equipment in case of domestic use Not applicable.

## 9. Physical and chemical properties

### 9.1 Physical appearance

Physical state Liquid.

Form Not available.

Color Not available.

Odor Not available.

Odor threshold Not available.

### 9.2 Parameters characterizing basic properties of the product

pH 6.5 - 7.5

Melting point/freezing point Not available.

Initial boiling point and boiling range Not determined

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

**Upper/lower flammability or explosive limits**

Flammability limit - lower (%) Not determined

Flammability limit - upper (%) Not available.

Vapor pressure Not available.

Density 1.05 g/cm<sup>3</sup>

Viscosity Not available.

**Solubility(ies)**

Solubility (water) Soluble in water

Partition coefficient (n-octanol/water) Not available.

**Other data**

Evaporation rate Not determined

Percent volatile 8 % estimated

VOC < 168 g/l

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**10. Stability and reactivity**

10.1 Chemical stability Not available.

10.2 Reactivity Not available.

10.3 Conditions to avoid Not available.

Possibility of hazardous reactions Not available.

Incompatible materials Not available.

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**11. Toxicological information**

11.1 General exposure characteristics Not available.

11.2 Routes of exposure Not available.

**11.3 Affected/target organs, tissues and systems of humans**

Specific target organ toxicity - single exposure Not available.

Specific target organ toxicity - repeated exposure Not available.

**11.4 Information on health hazards in case of direct exposure to the product and its effect**

Effect on upper respiratory tract irritation Not available.

Respiratory or skin sensitization Not available.

Respiratory sensitization Not available.

Skin sensitization Not available.

**11.5 Information on long-term hazardous health effects**

Carcinogenicity Not available.

Reproductive toxicity Not available.

Mutagenicity Not available.

Cumulativeness Not available.

Chronic effects Not available.

**11.6 Acute toxicity data**

Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Acute</b>		
Oral		
LD50	Rat	> 5000 mg/kg

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**12. Environmental impact information**

12.1 General description of the impact on the environment Not available.

Material name: CB279Series

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12.2 Routes of exposure to environment Not available.

### 12.3 The most important characteristics of the environmental impact

12.3.1 Hygienic standards Not available.

#### 12.3.2 Ecotoxicity

Product		Species	Test Results
CB279Series			
<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

#### 12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes

Persistence and degradability Not available.

#### Bioaccumulative potential

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

2-pyrrolidone -0.85

Mobility in soil Not available.

Other adverse effects Not available.

## 13. Recommendations for waste (residues) disposal

13.1 Safety precautions when handling the waste generated during use, storage, transportation Not available.

13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging Not available.

13.3 Recommendation on the waste disposal generated during its domestic use Not available.

## 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.

Environmental hazards

Marine pollutant No

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.  
**Subsidiary risk** -  
**Packing group** Not available.  
**Transport hazard class(es)**  
**Marine pollutant** No  
**EmS** Not available.  
**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** No  
**Special precautions for user** Not available.

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## 15. National and international regulatory information

### 15.1 National legislation

**15.1.1 Laws of the Russian Federation** Not available.

**15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment**

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

Not listed.

### 15.2 International Conventions and Agreements

#### **Stockholm Convention**

Not applicable.

#### **Rotterdam Convention**

Not applicable.

#### **Montreal Protocol**

Not applicable.

#### **Kyoto protocol**

Not applicable.

#### **Basel Convention**

Not applicable.

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## 16. Other information

### 16.1 Information on revision of the SDS

**Issue date** 01-Jun-2015

**Revision date** 08-Jul-2020

**Version #** 08

**Previous SDS number** Not applicable.

**Revision information** 1. Product and Company Identification: Product and Company Identification

**16.2 List of references used in compiling the safety data sheet** Not available.

## 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