



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

**A. Product name** CH122Series  
**Synonym(s)** UV Printhead Flush

### B. Recommended use and Limitations on use

**Recommended use** Not available.

### C. Supplier information

HP Korea House  
23-6 Yoido-dong  
Youngdeungpo-gu  
Seoul 150-742, Korea

**Telephone** (02) 2199-0114

### 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

## 2. Hazards identification

### A. Hazard category/Classification

**Physical hazards** Not classified.  
**Health hazards** Serious eye damage/eye irritation Category 2  
**Environmental hazards** Not classified.

### B. Warning label items including precautionary statement

#### • Pictogram



**• Signal word** Warning

#### • Hazard statement

H319 Causes serious eye irritation.

#### • Precautionary statement

##### Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264 Wash hands thoroughly after handling.

##### Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

### C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard)

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

**Supplemental information** None.

## 3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
2-(2-ethoxyethoxy)ethyl Acetate		112-15-2	KE-10468	100

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#### 4. First aid measures

<b>A. In case of eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately.
<b>B. In case of skin contact</b>	In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. If irritation persists get medical attention.
<b>C. In case of inhalation</b>	Move person to fresh air immediately. If symptoms persist, get immediate medical attention.
<b>D. In case of swallowing</b>	Rinse mouth out with water. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person.
<b>E. Note to physician</b>	Not available.

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#### 5. Fire-fighting measures

<b>A. Suitable (and unsuitable) extinguishing media</b>	
<b>Suitable extinguishing media</b>	CO2, water, dry chemical, or foam
<b>Unsuitable extinguishing media</b>	Not available.
<b>B. Specific hazards arising from the chemical (example: hazardous combustion products)</b>	Not available.
<b>C. Specific methods of fire-fighting</b>	
<b>Special protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Special fire fighting procedures</b>	Move containers from fire area if you can do it without risk.

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#### 6. Accidental release measures

<b>A. Personal precautions, protective equipment and emergency measures</b>	Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Use personal protective equipment to minimize exposure to skin and eye.
<b>B. Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>C. Methods and materials for containment and cleaning up</b>	Not available.

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#### 7. Handling and storage

<b>A. Precautions for safe handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment.
<b>B. Conditions for safe storage (including any incompatibilities)</b>	Keep containers tightly closed in a cool, well-ventilated place. Store away from strong oxidizers. Keep away from heat, sparks, and flame. Keep out of the reach of children.

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#### 8. Exposure controls/personal protection

<b>A. Exposure limit values, biological limit values, etc</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>B. Appropriate engineering controls</b>	Not available.
<b>C. Personal protective equipment</b>	
• <b>Respiratory protection</b>	Do not breathe dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.
• <b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
• <b>Hand protection</b>	Recommended gloves: Nitrile 6 mil minimum thickness.
• <b>Body protection</b>	Wear appropriate chemical resistant clothing. Solvent-resistant gloves. The use of butyl rubber gloves is recommended.

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<b>Hygiene measures</b>	Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse.
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## 9. Physical and chemical properties

### A. Appearance

Physical state	Liquid.
Form	Liquid.
Color	Clear.

**B. Odor** Solvent.

**C. Odor threshold** Not available.

**D. pH** Not available.

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

**F. Boiling point, initial boiling point, and boiling range** 423 °F (217.22 °C)

**G. Flash point** > 211.0 °F (> 99.4 °C) Closed Cup EPA Method 1020

**H. Evaporation rate** Not available.

**I. Flammability (solid, gas)** Not available.

### J. Upper/lower limit on flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**K. Vapor pressure** 0.13 hPa @ 20°C

### L. Solubility

**Solubility (water)** Not available.

**M. Vapor density** >= 1

>= 1

**N. Specific gravity** Not available.

**O. n-octanol/water partition coefficient** Not available.

**P. Auto-ignition temperature** 680 °F (360 °C)

**Q. Decomposition temperature** Not available.

**R. Viscosity** Not available.

**S. Molecular weight** Not available.

### Other data

**VOC** < 1000 g/L Calculated

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## 10. Stability and reactivity

### A. Stability and hazardous reaction potential

**Stability** Stable at normal conditions.

**Hazardous reaction potential** Will not occur.

**B. Conditions to avoid (e.g. static discharge, shock or vibration, etc)** Heat, flames and sparks. This product may react with oxidizing agents.

**C. Incompatible materials** Not available.

**D. Hazardous decomposition products** Carbon monoxide and carbon dioxide.

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## 11. Toxicological information

### A. Information on likely routes of exposure

- **Respiratory organs** Inhalation may result in mild irritation to the respiratory system.
- **Skin** Contact with skin may result in mild irritation.
- **Eyes** Causes serious eye irritation.

- **Mouth** Ingestion is not a likely route of exposure.

## B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Based on available data, the classification criteria are not met.
- **Corrosivity or irritation to the skin** Based on available data, the classification criteria are not met.
- **Serious eye damage/eye irritation** Causes serious eye irritation.
- **Respiratory sensitization** Based on available data, the classification criteria are not met.
- **Skin sensitization** Based on available data, the classification criteria are not met.
- **Carcinogenic properties /Carcinogenicity** Based on available data, the classification criteria are not met.
- **Mutagenic properties /Mutagenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.

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## 12. Ecological information

- A. **Ecotoxicity** No data available.
- B. **Persistence/degradability** Not available.
- C. **Bioaccumulative potential** Not available.
- D. **Mobility in soil** Not available.
- E. **Other adverse effects** Not available.

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## 13. Disposal considerations

- A. **Method of disposal** 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.  
Ensure collection and disposal with an appropriately licensed waste contractor.
- B. **Disposal considerations (including disposal of contaminated containers or packaging)** Not available.

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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.

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## 15. Regulatory information

### A. Restrictions under the Industrial Safety and Health Law

#### Harmful Substances Prohibited from Manufacturing

Not regulated.

#### Harmful Substances Requiring Permission for Manufacture or Use

Not regulated.

#### Controlled Hazardous Substances

Not regulated.

#### Harmful Substances Requiring Special Medical Examination

Not regulated.

**Workplace Environmental Monitoring Harmful Materials**

Not regulated.

**Occupational Exposure Limit**

Not regulated.

**B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)**

**Accidental Release Prevention Substances**

Not regulated.

**Observational Chemicals**

Not regulated.

**C. Restrictions under the Dangerous Substance Safety Management Act**

**D. Restrictions under the Wastes Control Act**

**Halogenated Materials in Waste Organic Solvents**

Not regulated.

**Hazardous Substances**

Not regulated.

**E. Restrictions under other foreign or domestic laws**

**Clean Air Conservation Act**

**Air Pollutants**

Not regulated.

**Specific Air Pollutants**

Not regulated.

**Act on the Registration and Evaluation of Chemicals**

**Banned Toxic Chemicals**

Not regulated.

**Designated Existing Chemicals Subject to Registration (PEC) (MoE No. 2015-92)**

Not listed.

**Restricted Chemical Substances**

Not regulated.

**Toxic Chemicals**

Not regulated.

**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.

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**16. Other information**

**A. Source of information**

Not available.

**B. Issue date**

05-Jun-2013

**C. Number of revisions and date of most recent revision**

12-Apr-2018 (07 revision)

**D. Other**

Not available.

**Disclaimer**

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**Revision information**

Toxicological information: • Mouth  
Regulatory information: Regulatory information  
Other information: Disclaimer  
GHS: Classification

## 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