



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

<b>Important information</b>	*** 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. ***	
<b>A. Product name</b>	CP823Series	
<b>Synonym(s)</b>	Shipping Test Fluid (STF)	
<b>B. Recommended use and Limitations on use</b>		
<b>Recommended use</b>	Inkjet printing	
<b>C. Supplier information</b>		
	HP Korea House 23-6 Yoido-dong Youngdeungpo-gu Seoul 150-742, Korea	
<b>Telephone</b>	(02) 2199-0114	
<b>HP Inc. health effects line</b>		
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<b>HP Inc. Customer Care Line</b>		
(Toll-free within the US)	1-800-474-6836	
(Direct)	1-208-323-2551	
<b>Email:</b>	hpcustomer.inquiries@hp.com	

## 2. Hazards identification

### A. Hazard category/Classification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2
<b>Environmental hazards</b>	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.

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**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.

**GHS Supplemental information** None.

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### 3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
Propylene glycol phenyl ether		770-35-4	KE-28261	<100

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### 4. First aid measures

<b>A. In case of 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>B. In case of skin contact</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>C. In case of inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>D. In case of swallowing</b>	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
<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>	Dry chemical, CO2, water spray or regular 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 fire fighting procedures</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

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### 6. Accidental release measures

<b>A. Personal precautions, protective equipment and emergency measures</b>	Wear appropriate personal protective equipment.
<b>B. Environmental precautions</b>	See also section 13 Disposal considerations. Do not let product enter drains. 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 breathing vapors or mists of this product. Keep away from excessive heat, sparks, and open flames.
<b>B. Conditions for safe storage (including any incompatibilities)</b>	Keep tightly closed in a dry, cool and well-ventilated place. Keep only in the original container. Protect from sunlight. Keep away from oxidizers.

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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>Exposure guidelines</b>	Exposure limits have not been established for this product.
<b>B. Appropriate engineering controls</b>	Not available.
<b>C. Personal protective equipment</b>	
• <b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
• <b>Eye protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
• <b>Hand protection</b>	Not available.
• <b>Body protection</b>	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves.
<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	Not available.
Form	Liquid.
Color	Not available.

B. Odor Not available.

C. Odor threshold Not available.

D. pH 5.8 - 6.2 Metler Toledo pH Meter. Temperature 25°C

E. Melting point/freezing point Not available.

F. Boiling point, initial boiling point, and boiling range Not available.

G. Flash point > 230.0 °F (> 110.0 °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 Not available.

### L. Solubility

Solubility (water) Not available.

M. Vapor density Not available.

N. Specific gravity Not available.

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

P. Auto-ignition temperature Not available.

Q. Decomposition temperature Not available.

R. Viscosity 12.5 - 13.5 cP Cone and Plate Rheometer, Temperature 50°C. C60/1° Sensor . Values recorded at 4000 1/s

S. Molecular weight Not available.

### Other data

VOC 1070 g/L Calculated

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## 10. Stability and reactivity

### A. Stability and hazardous reaction potential

Stability Stable under normal storage conditions.

Hazardous reaction potential Will not occur.

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

C. Incompatible materials Not available.

D. Hazardous decomposition products Carbon monoxide and carbon dioxide. May form explosive peroxides.

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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.
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## 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**

14-Jun-2014

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

11-Mar-2020 (08 revision)

**D. Other**

Not available.

**Disclaimer**

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## Revision information

Chemical product and company identification: Important information  
Hazards identification: Disposal  
Hazards identification: C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard)  
3. Composition / Information on Ingredients: Disclosure Overrides  
Composition/information on ingredients: Composition comments  
Exposure controls/personal protection: Hygiene measures  
Exposure controls/personal protection: • Eye protection  
Exposure controls/personal protection: • Hand protection  
Exposure controls/personal protection: • Body protection  
9. Physical & Chemical Properties: Multiple Properties  
HazReg Data: Europe - EU

## 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