



# 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>	CP803Series	
<b>Other means of identification</b>	Not available.	
<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>		
<b>(Toll-free within the US)</b>	1-800-457-4209	
<b>(Direct)</b>	1-760-710-0048	
<b>HP Inc. Customer Care Line</b>		
<b>(Toll-free within the US)</b>	1-800-474-6836	
<b>(Direct)</b>	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>	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Acute toxicity, inhalation	Category 4
<b>Environmental hazards</b>	Not classified.	

### B. Warning label items including precautionary statement

#### • Pictogram



• **Signal word** Warning

#### • Hazard statement

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.

#### • Precautionary statement

##### Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.

##### Response

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P330	Rinse mouth.

P363

Wash contaminated clothing before reuse.

**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.

**Supplemental information**

None.

**3. Composition/information on ingredients**

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
2-Butoxyethyl acetate		112-07-2	KE-04135	100

**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. Get medical attention, if needed.
<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. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>E. Note to physician</b>	Not available.

**5. Fire-fighting measures****A. Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media** For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide.  
For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray.

**Unsuitable extinguishing media** Not available.

**B. Specific hazards arising from the chemical (example: hazardous combustion products)** Not available.

**C. Specific methods of fire-fighting**

**Special protective equipment for firefighters** Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways.

**Special fire fighting procedures** Move containers from fire area if you can do it without risk.

**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. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter.
<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.

**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 dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

## 8. Exposure controls/personal protection

### A. Exposure limit values, biological limit values, etc

#### Korea. OELs. Standards for Exposure to Chemical Substances and Physically Hazardous Factors

Material	Type	Value
CP803Series	TWA	131 mg/m <sup>3</sup> 20 ppm

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	131 mg/m <sup>3</sup> 20 ppm

#### US. ACGIH Threshold Limit Values

Material	Type	Value
CP803Series	TWA	20 ppm

Components	Type	Value
2-Butoxyethyl acetate (CAS 112-07-2)	TWA	20 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**B. Appropriate engineering controls** Not available.

### C. Personal protective equipment

- **Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
- **Eye protection** Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
- **Hand protection** Recommended gloves: Nitrile 6 mil minimum thickness.
- **Body protection** Wear appropriate chemical resistant clothing.

**Hygiene measures** 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.

## 9. Physical and chemical properties

### A. Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Clear.

**B. Odor** Solvent.

**C. Odor threshold** Not available.

**D. pH** 2.2 - 3.8 Metler Toledo pH Meter. 10 g/l, H<sub>2</sub>O, 20 °C

### E. Melting point/freezing point

<b>Melting point</b>	-82.3 °F (-63.5 °C)
<b>Freezing point</b>	-83.2 °F (-64 °C)

**F. Boiling point, initial boiling point, and boiling range** 377.6 °F (192 °C)

**G. Flash point** > 165.2 °F (> 74.0 °C) Tag Closed Cup Method D 56

**H. Evaporation rate** 0.04

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

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

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.

**K. Vapor pressure** 0.4 hPa @ 20°C

<b>L. Solubility</b>	
Solubility (water)	2 %
<b>M. Vapor density</b>	6
<b>N. Specific gravity</b>	Not available.
<b>O. n-octanol/water partition coefficient</b>	1.57
<b>P. Auto-ignition temperature</b>	Not available.
<b>Q. Decomposition temperature</b>	Not available.
<b>R. Viscosity</b>	1.6 cP Brookfield Viscometer (± 0.5) Temperature 22°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading
<b>S. Molecular weight</b>	160
<b>Other data</b>	
Molecular formula	C8-H16-O3
VOC	< 940 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	None known.

**B. Conditions to avoid (e.g. static discharge, shock or vibration, etc)** Heat, flames and sparks.

**C. Incompatible materials** This product may react with strong oxidizing agents. Reacts with air to form peroxides. oxidizing agents

**D. Hazardous decomposition products** peroxides.

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## 11. Toxicological information

### A. Information on likely routes of exposure

- **Respiratory organs** Harmful if inhaled.
- **Skin** Harmful in contact with skin.
- **Eyes** Contact with eyes may result in mild irritation.
- **Mouth** Ingestion is not a likely route of exposure.

### B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Harmful if inhaled. Harmful if swallowed. Harmful in contact with skin.
- **Corrosivity or irritation to the skin** 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.
- **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

<b>A. Ecotoxicity</b>	No data available.
<b>B. Persistence/degradability</b>	Not available.

### C. Bioaccumulative potential

#### Octanol/water partition coefficient log Kow

CP803Series

1.57

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**

**UN number** NA1993

**UN proper shipping name** Combustible Liquid n.o.s. (Ethylene Glycol, Monobutyl Ether Acetate) - not regulated in quantities less than 119 gallons.

**Transport hazard class(es)**

**Class** Combustible

**Subsidiary risk** -

**Packing group** III

**Special precautions for user** DOT Classification only applies to shipments within the US and Puerto Rico.

**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.

**General information** DOT Classification only applies to shipments within the US and Puerto Rico.

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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**

2-Butoxyethyl acetate (CAS 112-07-2)

**Harmful Substances Requiring Special Medical Examination**

2-Butoxyethyl acetate (CAS 112-07-2)

**Workplace Environmental Monitoring Harmful Materials**

2-Butoxyethyl acetate (CAS 112-07-2)

**Occupational Exposure Limit**

2-Butoxyethyl acetate (CAS 112-07-2)

**B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)****Accidental Release Prevention Substances**

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.

**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.

**Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides (Rules on PIC, MoE No. 2014-252, Dec. 31, 2014; Standards for Pesticides, RDA No. 2014-26), as amended**

Not listed.

**Specific Air Pollutants**

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**

<b>A. Source of information</b>	Not available.
<b>B. Issue date</b>	15-Jul-2013
<b>C. Number of revisions and date of most recent revision</b>	25-Aug-2020 (16 revision)
<b>D. Other</b>	Not available.

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**Revision information**

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