



SAFETY DATA SHEET

Issue date: 01-Jul-2013
Revision date: 18-Mar-2017
Version #: 04

1. Chemical and company identification

Name of chemical (Product name) CB297Series

Recommended use of the chemical and restrictions on use

Intended use Inkjet printing

Company identification HP Japan Inc.
5F Ojima2-2-1 Koto-ku
Tokyo, Tokyo, Japan 136-8711
Telephone (+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 Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com
Poison Information Centre 0120-50-3024

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2. Hazards identification

GHS classification

Physical hazards		
Explosives		Not applicable
Flammable gases (including chemically unstable gases)		Not applicable
Aerosols		Not applicable
Oxidizing gases		Not applicable
Gases under pressure		Not applicable
Flammable liquids		Not applicable
Flammable solids		Not applicable
Self-reactive substances and mixtures		Not applicable
Pyrophoric liquids		Not applicable
Pyrophoric solids		Not applicable
Self-heating substances and mixtures		Not applicable
Substances and mixtures which, in contact with water, emit flammable gases		Not applicable
Oxidizing liquids		Not applicable
Oxidizing solids		Not applicable
Organic peroxides		Not applicable
Corrosive to metals		Classification not possible
Health hazards		
Acute toxicity, oral		Not classified
Acute toxicity, dermal		Not classified
Acute toxicity, inhalation		Not applicable
Skin corrosion/irritation		Classification not possible
Serious eye damage/eye irritation		Classification not possible
Sensitization, respiratory		Classification not possible
Sensitization, skin		Classification not possible
Germ cell mutagenicity		Classification not possible
Carcinogenicity		Classification not possible
Reproductive toxicity		Classification not possible
Specific target organ toxicity, single exposure		Classification not possible

	Specific target organ toxicity, repeated exposure	Classification not possible
	Aspiration hazard	Not applicable
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Classification not possible
	Hazardous to the aquatic environment, long-term hazard	Classification not possible

GHS label elements

Symbols	None.
Signal words	None.
Hazard statement	None.

Precautionary statement

Prevention	None.
Response	None.
Storage	None.
Disposal	None.

Other hazards Complete toxicity data are not available for this specific formulation.

3. Composition/information on ingredients

Substance or mixture Mixture

Components	CAS #	Percent
diethylene glycol monobutyl ether acetate	124-17-4	<100

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 eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
If swallowed	If material is ingested, immediately contact a physician or poison control center.

5. Fire-fighting measures

Flash point	221.0 °F (105.0 °C) Pensky-Martens Closed Cup
Extinguishing media	Dry chemical, CO ₂ , water spray or regular foam.
Extinguishing media to avoid	high volume water jet
Specific methods	Standard procedure for chemical fires. In the event of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures	Remove all sources of ignition. Wear appropriate personal protective equipment.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods or materials for containment and cleaning up	Not available.

7. Handling and storage

Handling	
Technical measures (e.g. Local and general ventilation)	Not available.
Local and general ventilation	Not available.
Precautions	Not available.
Safe handling advice	Not available.

Storage

Technical measures	Not available.
Safe storage conditions	Not available.
Safe packaging materials	Not available.

8. Exposure controls/personal protection

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

Recommended monitoring procedures

Additional exposure data Exposure limits have not been established for this product.

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

Engineering measures Use in a well ventilated area.

Personal protective equipment

Respiratory protection Not available.

Hand protection Not available.

Eye protection Not available.

Skin and body protection Not available.

General Use personal protective equipment to minimize exposure to skin and eye.

9. Physical and chemical properties

Appearance

Physical state Not available.

Color Not available.

Odor Not available.

pH Not available.

Melting point/Freezing point Not available.

Boiling point, initial boiling point, and boiling range 476.6 °F (247 °C)

Flash point 221.0 °F (105.0 °C) Pensky-Martens Closed Cup

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.01 hPa @ 20°C

Solubility(ies)

Solubility (water) 6.5 % w/w

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity (Coefficient of viscosity) Not available.

Other information

Oxidizing properties Not determined

Specific gravity 0.98

VOC (Weight %) < 980 g/L

10. Stability and reactivity

Reactivity Not available.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions Will not occur.

Conditions to avoid None.

Incompatible materials	Strong oxidizing agents. This product may react with strong acids. This product may react with strong alkalis.
Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

General information Not available.

Components	Species	Test Results
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diethylene glycol monobutyl ether acetate (CAS 124-17-4)

Acute

Dermal

LD50	Rabbit	5500 mg/kg 14.8 ml/kg
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Inhalation

LC50	Rat	73.7 mg/l, 4 Hours
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Oral

LD50	Guinea pig	2340 mg/kg
	Mouse	6500 mg/kg
	Rabbit	2260 mg/kg
	Rat	6500 mg/kg

Other information This ink formulation has not been tested for toxicological effects. Refer to Section 2 for potential health effects and Section 4 for first aid measures.

12. Ecological information

Aquatic toxicity This product has not been tested for ecological effects.

Persistence and degradability Not available.

Bioaccumulation Not available.

Mobility in soil Not available.

Hazardous to the ozone layer Not available.

13. Disposal considerations

Local disposal regulations Dispose of in compliance with federal, state, and local regulations. Do not allow this material to drain into sewers/water supplies.

14. Transport information

International regulations

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

Further information Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.

15. Regulatory information

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.

Industrial Safety and Health Act**Notifiable substances**

Not regulated.

Labeling 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.

Fire Service Act

Class 4 Group 3 oils (Non-water soluble) Hazard rank III

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule

Not regulated.

Air Law, Enforcement Rule

Not regulated.

Explosives Control Act

Not regulated.

Other information

All ingredients are listed on EINECS and/or ELINCS or exempt.

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.

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Manufacturer informationHP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112 US
Direct 1-650-857-5020

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
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
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds