



MATERIAL SAFETY DATA SHEET

1. Product and company identification

Product name CB302Series

Recommended use and Limitations on use

Recommended use Inkjet printing

Version # 01

Company identification Hewlett-Packard Taiwan Ltd.
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2. Hazards identification

Physical hazards Not classified as a physical hazard.

Health hazards Not classified as a health hazard.

Environmental hazards Not classified as an environmental hazard.

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

3. Composition/information on ingredients

Substance or mixture Mixture

Chemical property	CAS Number	Concentration (%)
diethylene glycol monobutyl ether acetate	124-17-4	<100

Composition comments This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and 1999/45/EC, as amended.
For the full text of the R phrases mentioned in this Section, see Section 16.

4. First aid measures

First aid measures for different exposure routes

Inhalation Remove to fresh air. If symptoms persist, get medical attention.

Skin contact Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.

Eye contact Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

Ingestion If material is ingested, immediately contact a physician or poison control center.

Most important symptoms and effects Not available.

Personal protection for first-aid responders Not available.

Notes to physician Not available.

5. Fire-fighting measures

Flash point 221.00 °F (105.00 °C) Pensky-Martens Closed Cup

Extinguishing media Dry chemical, CO₂, water spray or regular foam.

Extinguishing media to avoid high volume water jet

Specific hazards during fire fighting None.

Special fire fighting procedures None.

Protection of fire-fighters None.

6. Accidental release measures

Personal precautions 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.
Spill cleanup methods Not available.
Other information Use spark-proof tools and explosion-proof equipment. Use personal protective equipment to minimize exposure to skin and eye. Dispose of in compliance with federal, state, and local regulations.

7. Handling and storage

Handling

Precautions Not available.

Storage

Technical measures Not available.

8. Exposure controls/personal protection

Exposure limits

No exposure limits noted for the ingredient(s).

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

Engineering measures Use in a well ventilated area.

Personal protective equipment

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

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

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 221.00 °F (105.00 °C) Pensky-Martens Closed Cup

Flammability (solid, gas) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.0133 hPa @ 20°C

Solubility 6.5 % w/w

Decomposition temperature Not available.

Other data

Specific gravity 0.98

VOC (Weight %) < 980 g/L

10. Stability and reactivity

Stability Stable under recommended storage conditions.

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.

Possibility of hazardous reactions Will not occur.

11. Toxicological information

Components	Species	Test Results
diethylene glycol monobutyl ether acetate (CAS 124-17-4)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	5500 mg/kg 14.8 ml/kg
<i>Inhalation</i>		
LC50	Rat	73.7 mg/l, 4 Hours
<i>Oral</i>		
LD50	Guinea pig	2340 mg/kg
	Mouse	6500 mg/kg
	Rabbit	2260 mg/kg
	Rat	6500 mg/kg
Routes of exposure	Not available.	
Symptoms	Not available.	
Chronic effects	Not available.	
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.
Other hazardous effects	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.
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14. Transport information

International regulations

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information

Applicable regulations	No information available
Other information	All ingredients are listed on EINECS and/or ELINCS or exempt.

16. Other information

Disclaimer	This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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.
Issue date	01-Jul-2013
This data sheet contains changes from the previous version in section(s):	Product and Company Identification: Product and Company Identification Fire Fighting Measures: Fire & Explosion Properties Physical & Chemical Properties: Physical & Chemical Properties 15. Regulatory Information: United States

Manufacturer information

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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