



MATERIAL SAFETY DATA SHEET

1. Chemical product and company identification

Product name	CD590 Series
Recommended use of the chemical and restrictions on use	
Intended use	Inkjet printing
Company identification	Hewlett-Packard Japan, Ltd. 2-2-1 Ojima, Koto-ku, Tokyo, 136-8711 Japan Telephone (+81) 3 5628-1101
	Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP 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

2. Hazards identification

Classification	Xn;R65, R66
Physical hazards	Not classified as a physical hazard.
Health hazards	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
Environmental hazards	Not classified as an environmental hazard.

3. Composition/information on ingredients

Substance or mixture	Mixture	
Components	CAS #	Percent
Solvents	Proprietary	<90
Pigments and/or Dyes	Proprietary	<10
Polymer	Proprietary	<10
Surfactants	Proprietary	<2.5

4. First aid measures

If inhaled	Move person to fresh air immediately. If breathing stops, provide artificial respiration. Call a physician or Poison Control Center immediately.
If on skin	For skin contact flush with large amounts of water while removing contaminated clothing.
If in eyes	Flush eyes immediately with large amounts of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub eyes. Get medical attention if irritation persists after washing.
If swallowed	If swallowed, do NOT induce vomiting. Get medical attention immediately.
Most important symptoms and effects	No data available

5. Fire-fighting measures

Flash point	Not available.
Extinguishing media	Foam (preferred), dry chemical, water.
Extinguishing media to avoid	None.
Special fire fighting procedures	Do not get water inside container.
Protection of fire-fighters	No data available.

6. Accidental release measures

Personal precautions, protective equipment and emergency measures	Not available.
Environmental precautions	Prevent further leakage or spillage.
Clean-up methods and materials and containment measures	Contain spilled liquid with sand or earth. Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and storage

Handling

Technical measures	Wear personal protective equipment.
Local and general ventilation	Use with adequate ventilation.
Precautions	Not available.
Safe handling advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.

Storage

Technical measures	Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place.
Suitable storage conditions	Not available.
Incompatible products	No data.
Safe packaging materials	Not available.

8. Exposure controls/personal protection

Recommended monitoring procedures

Additional exposure data	Not available.
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Engineering measures	Use in a well ventilated area.
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Personal protective equipment

Respiratory protection	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.
Hand protection	Wear appropriate chemical resistant gloves.
Eye protection	Wear safety glasses with side shields.
Skin and body protection	long sleeved clothing

9. Physical and chemical properties

Appearance

Physical state	Not available.
Form	Liquid.
Color	Not available.

Odor	Not available.
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Odor threshold	No information available.
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pH	Not available.
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Melting point/Freezing point	Not available.
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Boiling point, initial boiling point, and boiling range	Not available.
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Flash point	Not available.
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Auto-ignition temperature	473 °F (245 °C)
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Flammability limit - lower (%)	Not available.
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Flammability limit - upper (%)	Not available.
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Vapor pressure	0.4 mm Hg @ 40 Deg C
Specific gravity	0.88
Solubility	Nearly Soluble
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Other data	
VOC (Weight %)	< 1000 g/L

10. Stability and reactivity

Stability	Stable.
Possibility of hazardous reactions	Will not occur.
Conditions to avoid	None.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	None known.

11. Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Not available.
Symptoms	Not available.
Acute toxicity	No data available.
Carcinogenicity	No data available.
Specific target organ toxicity - single exposure	No data available.
Specific target organ toxicity - repeated exposure	No data available.
Other information	Complete toxicity data are not available for this specific formulation

12. Ecological information

Ecotoxicity	No data available.
Mobility in soil	No data available.

13. Disposal considerations

Contaminated packaging	No special precautions.
Local disposal regulations	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.

14. Transport information

International regulations	
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Emergency Response Guide Number	128

ADR

Not regulated as dangerous goods.

15. Regulatory information**Industrial Safety and Health Act****Specified substances regulation****Class 1 designated chemical substances**

Not regulated.

Class 2 designated chemical substances

Not regulated.

Class 3 designated chemical substances

Not regulated.

Organic solvent regulation**Class 1 organic solvents**

Not regulated.

Class 2 organic solvents

Not regulated.

Class 3 organic solvents

Not regulated.

Notifiable substances

Not regulated.

Labeling substances

Not regulated.

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.

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 2 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.

High Pressure Gas Safety Act

Not regulated.

Act on Prevention of Marine Pollution and Maritime Disaster

Not regulated.

Waste Management and Public Cleansing Act

Not regulated.

16. Other information

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.

Version number 01
Issue date 30-Sep-2013
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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