

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Identification of the

preparation

CE042Series

Product use Inkjet printing. For use only in inkjet printing

Version #

Revision date 12-Nov-2010 CAS# Mixture

Company identification Hewlett-Packard Company

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2. Hazards Identification

Emergency overview

Contact with skin and eyes may result in irritation.

Acute health effects

Any potential hazards are presumed to be due to exposure to the components.

Skin contact 1-(2-hydroxyethyl)-2-pyrrolidone

Contact with skin may result in irritation.

Cyclo Amide

Contact with skin may result in irritation.

Eye contact 1-(2-hydroxyethyl)-2-pyrrolidone

Contact with eyes may result in irritation.

Cyclo Amide

Contact with eyes may result in irritation.

Inhalation 1-(2-hydroxyethyl)-2-pyrrolidone

Inhalation may result in respiratory irritation.

Cyclo Amide

Inhalation may result in respiratory irritation.

Ingestion 1-(2-hydroxyethyl)-2-pyrrolidone

Ingestion may result in nausea, vomiting and diarrhea.

Cvclo Amide

Swallowing large amounts may cause digestive discomfort.

Diethylene glycol

Harmful if swallowed. May cause kidney and liver damage. May depress the central nervous

system.

Potential health effects

Routes of exposure Potential routes of overexposure to this product are skin and eye contact

Inhalation of vapor and ingestion are not expected to be significant routes of exposure for this

product under normal use conditions.

Complete toxicity data are not available for this specific formulation

Chronic health effects None known.

Material name: CE042Series MSDS US 12159 Version #: 01 Revision date: 11-Nov-2010 Print date: 12-Nov-2010 1/5 None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Cyclo Amide	Proprietary	< 10
1-(2-hydroxyethyl)-2-pyrrolidone	3445-11-2	< 5
Diethylene glycol	111-46-6	< 2.5
Trade Secret blue colorant	147-14-8	< 2.5
1,2-Hexanediol	6920-22-5	< 1
Megaface F-444	N/A	< 0.1
Water	7732-18-5	>70

Composition comments

This ink supply contains an aqueous ink formulation.

This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard

Communication Standard).

4. First Aid Measures

First aid procedures

Eye contact 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.

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

develops or persists.

InhalationRemove to fresh air. If symptoms persist, get medical attention.IngestionIf ingestion of a large amount does occur, seek medical attention.

5. Fire Fighting Measures

Flammable properties Hydrogen fluoride, a corrosive and toxic gas, and other potentially hazardous fluorine-containing

compounds may be released upon combustion.

Extinguishing media

Suitable extinguishing

media

Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing

media

None known.

Specific methods
Hazardous combustion

products

None established. Refer to section 10.

6. Accidental Release Measures

Personal precautions Wear

Wear appropriate personal protective equipment.

Methods for containment Dike

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand

Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

or diatomaceous earth, commercial sorbents, or recover using pumps.

Methods for cleaning up

Environmental precautions

Soak up with inert absorbent material.

Other information Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other

sealed container. Dispose of in compliance with federal, state, and local regulations. See also

section 13 Disposal considerations.

7. Handling and Storage

Handling Avoid contact with skin, eyes and clothing.

Storage Keep out of the reach of children.

Keep away from excessive heat or cold.

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8. Exposure Controls / Personal Protection

Occupational exposure limits

U.S. - WEEL

ComponentsTypeValueDiethylene glycol (111-46-6)TWA10.0000 mg/m3

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

Personal protective equipment

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

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

9. Physical & Chemical Properties

Appearance Not available.

Color Light Cyan

Odor Not available.

Odor threshold Not available.

Physical state Liquid

Form Not available.

pH 8 - 10

Melting pointNot available.Freezing pointNot available.Boiling pointNot available.

Flash point 200 °F (93.3 °C) Pensky-Martens Closed Cup

Evaporation rateNot available. **Flammability limits in air,**Not available.

upper, % by volume

Flammability limits in air, Not available.

lower, % by volume

Vapor pressure

Vapor density

Not available.

Not available.

Specific gravity

1 - 1.05

Relative density

Not available.

Solubility (water)

Auto-ignition temperature

Not available.

Solubility (water)Not available.Auto-ignition temperatureNot available.Decomposition temperatureNot available.VOC< 157 g/l</th>

Other information VOC content (less water, less exempt compounds) = < 962 g/L (U.S. requirement, not for

emissions)

10. Chemical Stability & Reactivity Information

Chemical stability Stable under recommended storage conditions. **Incompatible materials** Incompatible with strong bases and oxidizing agents.

Hazardous decomposition

products

Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons., fluorinated hydrocarbons and hydrogen

fluoride.

Possibility of hazardous

reactions

None known.

11. Toxicological Information

Serious eye damage/eye

irritation

Not available.

Skin sensitization Not available.

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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

Persistence and degradability Not available.

13. Disposal Considerations

Disposal instructions

Dispose of in compliance with federal, state, and local regulations.

HP's Planet Partners (trademark) supplies recycling program enables simple, convenient recycling of HP original inkjet and LaserJet supplies. For more information and to determine if this service is available in your location, please visit http://www.hp.com/recycle.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

US TSCA 12(b): Does not contain listed chemicals.

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders

under TSCA.

CERCLA (Superfund) reportable quantity

None

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200

No

hazardous chemical

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

Section 302 extremely

hazardous substance

No

Section 311 hazardous

chemical

No

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Diethylene glycol (CAS 111-46-6)

Regulatory information All chemical substances in this HP product have been notified or are exempt from notification

Listed.

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.

16. Other Information

Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29

CFR 1910.1200).

HMIS® ratings Health: 1

> Flammability: 1 Physical hazard: 0

NFPA ratings Health: 1

Flammability: 1 Instability: 0

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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 12-Nov-2010

Manufacturer information Hewlett-Packard Company

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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

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