

1. Product and Company	Identification
Identification of the preparation	CE022Series
Product use	Inkjet printing. For use only in inkjet printing
Version #	01
Revision date	06-Nov-2010
CAS #	Mixture
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501
	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
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.
	<i>Cyclo Amide</i> Contact with skin may result in irritation.
Eye contact	1-(2-hydroxyethyl)-2-pyrrolidone Contact with eyes may result in irritation.
	<i>Cyclo Amide</i> Contact with eyes may result in irritation.
Inhalation	<i>1-(2-hydroxyethyl)-2-pyrrolidone</i> Inhalation may result in respiratory irritation.
	<i>Cyclo Amide</i> Inhalation may result in respiratory irritation.
Ingestion	1-(2-hydroxyethyl)-2-pyrrolidone Ingestion may result in nausea, vomiting and diarrhea.
	<i>Cyclo Amide</i> Swallowing large amounts may cause digestive discomfort.
	<i>Diethylene glycol</i> 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.

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 / Inform	ation on ingredients		_
Components		CAS #	Percent
Cyclo Amide		Proprietary	< 10
Diethylene glycol		111-46-6	< 5
Trade secret red colorant		Proprietary	< 5
1-(2-hydroxyethyl)-2-pyrrolidone		3445-11-2	< 2.5
1,2-Hexanediol		6920-22-5	< 2.5
Megaface F-444		N/A	< 0.1
Water		7732-18-5	>70
Composition comments	This ink supply contains an aqueous ink forr This product has been evaluated using criter Communication Standard).		1200 (Hazard
4. First Aid Measures			
First aid procedures			
Eye contact	Do not rub eyes. Immediately flush with large least 15 minutes or until particles are removed		
Skin contact	Wash affected areas thoroughly with mild so develops or persists.	pap and water. Get medical a	ttention if irritation
Inhalation	Remove to fresh air. If symptoms persist, ge	et medical attention.	
Ingestion	If ingestion of a large amount does occur, se	eek medical attention.	
5. Fire Fighting Measure	5		
Flammable properties	Hydrogen fluoride, a corrosive and toxic gas compounds may be released upon combusti		dous fluorine-containing
Extinguishing media Suitable extinguishing media	Dry chemical, CO2, water spray or regular fo	bam.	
Unsuitable extinguishing media	None known.		
Specific methods	None established.		
Hazardous combustion products	Refer to section 10.		
6. Accidental Release Me	asures		
Personal precautions	Wear appropriate personal protective equipr	ment.	
Environmental precautions	Do not let product enter drains. Do not flush	n into surface water or sanita	ry sewer system.
Methods for containment	Dike the spilled material, where this is possi or diatomaceous earth, commercial sorbents		ent such as dry clay, sanc
Methods for cleaning up	Soak up with inert absorbent material.		
Other information	Soak up with inert absorbent material. Slow sealed container. Dispose of in compliance v 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 awa	y from excessive heat or cold	i.
	Keep at temperatures between 15 and 35°C		

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Components	Туре		Value
Diethylene glycol (111-46-6)	TWA		10.0000 mg/m3
Exposure guidelines	Exposure limits have not been est	ablished for this	product.
Personal protective equipmen	t		
General hygiene considerations	Handle in accordance with good i	ndustrial hygiene	and safety practice.
General	Use personal protective equipmer	nt to minimize exp	posure to skin and eye.
9. Physical & Chemical P	roperties		
Appearance	Not available.		
Color	Red		
Odor	Not available.		
Odor threshold	Not available.		
Physical state	Liquid		
Form	Not available.		
pH	8 - 10		
Melting point	Not available.		
Freezing point	Not available.		
Boiling point	Not available.		
Flash point	> 200 °F (> 93.3 °C) Pensky-Mar	tens Closed Cup	
Evaporation rate	Not available.		
Flammability limits in air, upper, % by volume	Not available.		
Flammability limits in air, lower, % by volume	Not available.		
Vapor pressure	Not available.		
Vapor density	Not available.		
Specific gravity	1 - 1.1		
Relative density	Not available.		
Solubility (water)	Not available.		
Auto-ignition temperature	Not available.		
Decomposition temperature	Not available.		
VOC	< 174 g/L		
Other information	VOC content (less water, less exe emissions)	mpt compounds)	= < 942 g/L (U.S. requirement, not for

lu. 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.

12. Ecological Information

Persistence and degradability Not available.

13. Disposal Considerations

Disposal instructions

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

14. Transport Information

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

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory Information

15. Regulatory fillorinat	
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) reportab None	le quantity
Occupational Safety and Healt	th Administration (OSHA)
29 CFR 1910.1200 hazardous chemical	No
Superfund Amendments and F	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 - H	lazardous Substances: Listed substance
Diethylene glycol (CAS 1	11-46-6) Listed.
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.
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

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	06-Nov-2010
Manufacturer information	Hewlett-Packard Company 1000 NE Circle Boulevard Corvallis, OR 97330-4239 US (Direct) 1-503-494-7199 (Toll-free within the US) 1-800-457-4209

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