

In Froduce and Company	
Identification of the preparation	CN622Series
Product use	Inkjet printing
Version #	00
Revision date	18-Dec-2012
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	<i>2-pyrrolidone</i> Contact with skin may result in irritation.
	<i>Ethyl alkyldiol</i> Contact with skin may result in mild irritation.
Eye contact	<i>2-pyrrolidone</i> Contact with eyes may result in irritation. <i>Ethyl alkyldiol</i> Contact with eyes may result in mild irritation.
Inhalation	<i>2-pyrrolidone</i> Inhalation may result in respiratory irritation.
Ingestion	<i>2-pyrrolidone</i> Ingestion may result in nausea, vomiting and diarrhea.
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.
Carcinogenicity	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
2-pyrrolidone	616-45-5	< 10
alkyldiol #2	Proprietary	< 5

Ethyl alkyldiol		Proprietary	< 15
Trade Secret blue pigment		Proprietary	< 5
Water		7732-18-5	> 70
Composition comments	This ink supply contains an aqueous ink This product has been evaluated using c Communication Standard).		0.1200 (Hazard
4. First Aid Measures			
First aid procedures			
Eye contact	Do not rub eyes. Immediately flush with least 15 minutes or until particles are rer		
Skin contact	Wash affected areas thoroughly with mile attention.	d soap and water. If irritation	persists get medical
Inhalation	Move to fresh air. If symptoms persist, g	et medical attention.	
Ingestion	If ingestion of a large amount does occu	r, seek medical attention.	
General advice	No additional information		
5. Fire Fighting Measures	5		
Flammable properties	None known.		
Extinguishing media			
Suitable extinguishing media	CO2, water, dry chemical, or foam		
Unsuitable extinguishing media	None known.		
Specific methods	Wear self contained breathing apparatus Use a water spray to cool fully closed con		
Hazardous combustion products	Refer to section 10.		
6. Accidental Release Me	asures		
Personal precautions	Wear appropriate personal protective equip	uipment.	
Environmental precautions	Do not let product enter drains. Do not f	lush into surface water or san	itary sewer system.
Methods for containment	Dike the spilled material, where this is po or diatomaceous earth, commercial sorbe		orbent such as dry clay, san
Methods for cleaning up	Soak up with inert absorbent material.		
Other information	Soak up with inert absorbent material. So sealed container. Dispose of in compliance section 13 Disposal considerations.		
7. Handling and Storage			
Handling	Avoid contact with skin, eyes and clothin	g.	
Storage	Keep out of the reach of children. Keep away from excessive heat or cold.		
8. Exposure Controls / Po	ersonal Protection		
Occupational exposure limits			
ACGIH			
Components	Туре	Value	Form
alkyldiol #2 (Proprietary)	TWA	10.0000 mg/m3	Mist.
U.S OSHA			
Components	Туре	Value	Form
alkyldiol #2 (Proprietary)	PEL	15.0000 mg/m3	Total dust.

U.S Tennessee Type Value   alkyldiol #2 (Proprietary) TWA 10.0   alkyldiol #2 (Proprietary) TWA 10.0   stapsoure guidelines Exposure limits have not been established for this production in a well ventilated area.   exersonal protective equipment General Use in a well ventilated area.   General hygiene considerations General protective equipment to minimize exposure   0. Physical & Chemical Properties Not available.   color Cyan   Odor Not available.   bodor Not available.   offer Not available.   form Not available.   form Not available.   offer Not available.   offer Not available.   offer Not determined   lash point Sol determined   damability limits in	ue	Form
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<b>VOC</b> < 96.017 g/l		
Other information   For other VOC regulatory data/information see section 15	15.	

Chemical stability	Stable under recommended storage conditions.
Incompatible materials	Incompatible with strong bases and oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Informa	ation
Serious eye damage/eye irritation	Not available.
Symptoms and target organs	
Target Organs (NIOSH)	
alkyldiol #2 (CAS Propriet	ary) Eyes Kidneys Respiratory system Skin
Further 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	on
Aquatic toxicity	LC50/96h/Fathead minnows =< 750 mg/L
Persistence and degradability	Not available.
13. Disposal Consideration	ons
Disposal instructions	Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental 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 Informatio	n
Further information	Not a dangerous good under 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 Informati	
US federal regulations	US TSCA 12(b): Does not contain listed chemicals.
DEA Exempt Chemical Mixt Not regulated. Drug Enforcement Adminis	tures Code Number stration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated. Drug Enforcement Adminis Chemical Code Number	stration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
Not listed. <b>TSCA Section 12(b) Export</b> Not regulated.	Notification (40 CFR 707, Subpt. D)
CERCLA (Superfund) reportabl None	e quantity
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 - New Jersey RTK - Su	ibstances: Listed substance
alkyldiol #2 (CAS Proprie	
US. Massachusetts RTK - 2-pyrrolidone (CAS 616-	
alkyldiol #2 (CAS Proprie	
	nd Community Right-to-Know Act
Not regulated. US. Pennsylvania RTK - H	azardous Substances
2-pyrrolidone (CAS 616-	
alkyldiol #2 (CAS Proprie	,
US. Rhode Island RTK	
alkyldiol #2 (CAS Proprie	etary)
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.
Other information	VOC content (less water, less exempt compounds) = $<411$ g/L (U.S. requirement, not for emissions)
	VOC data based on formulation (Organic compounds minus solids)
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	18-Dec-2012
Manufacturer information	Hewlett-Packard Company 3000 Hanover Street Palo Alto, California 94304-1112 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