

1. Product and Company Ide	entification
Material name	CH561Series
Version #	03
Issue date	29-Jul-2010
Revision date	24-Jan-2014
Product use	Inkjet printing
CAS #	Mixture
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-5020 Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 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.
Other hazards	Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. 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 None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

3. Composition / Information on Ingredients

Hazardous components		CAS #	Percent
2-pyrrolidone		616-45-5	< 10
1,5-pentanediol		111-29-5	< 5
Non-hazardous components		CAS #	Percent
Water		7732-18-5	>70
Modified carbon black #6		Proprietary	< 5
Substituted diol		Proprietary	< 2.5
Composition comments	This ink supply contains an aqueous ink forn This product has been evaluated using criter Communication Standard).		1200 (Hazard
	Carbon black is present only in a bound form	n in this preparation.	
4. First Aid Measures			
General advice	No information		
First aid procedures			
Eye contact	Do not rub eyes. Immediately flush with larg least 15 minutes or until particles are removed	-	,

Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Inhalation	Remove to fresh air. If symptoms persist, get medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention.
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5. Fire Fighting Measures	
Flammable properties	None known.
Extinguishing media	
Suitable extinguishing media	Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Fire fighting equipment/instructions	Not available.
Specific methods	None established.
Hazardous combustion products	Refer to section 10.
6. Accidental Release Measu	Ires
Personal precautions	Wear appropriate personal protective equipment.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	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.
8. Exposure Controls / Perso	onal Protection
Exposure guidelines	Exposure limits have not been established for this product.
Engineering controls	Use in a well ventilated area.
Personal protective equipment	t
General	Use personal protective equipment to minimize exposure to skin and eye.
General hygiene	Handle in accordance with good industrial hygiene and safety practice.
considerations	
9. Physical & Chemical Prop	erties
Appearance	Not available.
Physical state	Not available.
Form	Not available.
Color	Black.
Odor	Not available.
рН	7.5 - 8.2
Vapor pressure	Not determined
Boiling point	Not determined
Melting point/Freezing point	Not available.
Solubility (water)	Soluble in water
Specific gravity	Not available.
Flash point	Not available.
Viscosity	>= 2 cp
VOC Other information	< 147 g/l
VINEL INIOLUSION	For other VOC regulatory data/information see Section 15.

10. Chemical Stability & Reactivity Information	
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	No information available
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.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Toxicological data			
Components	Specie	S	Test Results
2-pyrrolidone (CAS 616-45-5)			
Acute			
<i>Oral</i> LD50	Cuinco	nia	6500 mg/kg
LDSU	Guinea		
	Rat	ł	6500 mg/kg
Substituted diol (CAS Propriet	tary)		
Acute			
Dermal	Dabbit		2000 mg/kg
LD50	Rabbit		> 2000 mg/kg
Inhalation	Dat		
LC50	Rat		> 5.1 mg/l, 4 Hours
Oral			5000 //
LD50	Rat		> 5000 mg/kg
Carcinogenicity	2B) and b organizat	lack is classified as a carcinogen by the IARC (by the State of California under Proposition 65 ions indicate that exposure to carbon black, p thin a product matrix, specifically, rubber, ink,	. In their evaluations of carbon black, both er se, does not occur when it remains
Serious eye damage/eye irritation	Not availa	able.	
Further information		ormulation has not been tested for toxicologic Section 2 for potential health effects and Section	
12. Ecological Informati	on		
Ecotoxicological data Product		Species	Test Results
CH561Series (CAS Mixture)			
Aquatic			
Acute			
Fish	LC50	Fathead minnow (Pimephales promelas)) > 750 mg/l, 96 hours
Components		Species	Test Results
2-pyrrolidone (CAS 616-45-5)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	13.21 mg/l, 48 hours
Ecotoxicity	No data a	vailable.	
Persistence and degradab			
Bioaccumulation / Accum	-		
Bioaccumulative pote Octanol/water pa	ntial	ent log Kow	
2-pyrrolidone		-0.85	

Partition coefficient 2-pyrrolidone	-0.85
13. Disposal Considerations	
Disposal instructions	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Do not allow this material to drain into sewers/water supplies. 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 g	joods.
Not regulated as dangerous of	goods.
IMDG	
Not regulated as dangerous g	joods.
RID	
Not regulated as dangerous good	
Further information	Not a dangerous good under DOT, IATA, ADR, IMDG, or RID.
15. Regulatory Information	
US federal regulations	US TSCA 12(b): Does not contain listed chemicals.
Drug Enforcement Admin Chemical Code Number Not listed.	istration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and
	istration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))
Not regulated. DEA Exempt Chemical Mix	xtures Code Number
	t Notification (40 CFR 707, Subpt. D)
Not regulated.	
CERCLA (Superfund) reportat	ie quantity
	Reauthorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	No
Other information	Exposure Limits (See Section 8): Executive regulation of Minister of Labour and Social Policy dated Nov. 29, 2002 concerning the highest exposure limits and volume of factors harmful for health and environment at work (Official Journal of Laws no 217/2002 item 1833 with further amendments).
	VOC content (less water, less exempt compounds) = <709 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)
State regulations	
US. Massachusetts RTK -	Substance List
2-pyrrolidone (CAS 616- US. Pennsylvania RTK - H	
2-pyrrolidone (CAS 616-	

US. Rhode Island RTK

Not regulated.	
16. Other Information	
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 preparatio 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.
Other information	This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).
issue date	29-Jul-2010
This data sheet contains changes from the previous version in section(s):	1. Product and Company Identification: Alternate Trade Names
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