



# SAFETY DATA SHEET

## 1. Identification of the product

**GHS product identifier** C9443 Series  
**Other means of identification** Not available.  
**Recommended use of the chemical and restrictions on use**  
**Recommended use** Inkjet printing  
**Recommended restrictions** None known.  
**Issue date** 12-Mar-2015  
**Revision date** 08-Sep-2015  
**Version #** 02  
**Company identification** Computing and Printing Mexico S. de R.L. de C.V.  
Av. Vasco de Quiroga No. 2999  
Mexico City, Distrito Federal, Mexico 01210  
Telephone 52 (55) 5258-4000  
  
HP 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. Hazard identification

### Classification of the substance or mixture

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.

### GHS label elements, including precautionary statements

**Hazard symbols** None.  
**Signal word** None.  
**Hazard statement** Not available.  
**Precautionary statement**  
**Prevention** Not available.  
**Response** Not available.  
**Storage** Not available.  
**Disposal** Not available.

**Other hazards which do not result in classification** 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.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical identity	Common name(s), synonym(s)	CAS number and other unique identifiers	Concentration
Water		7732-18-5	70-80
2-pyrrolidone		616-45-5	<7.5

Chemical identity	Common name(s), synonym(s)	CAS number and other unique identifiers	Concentration
Alkyldiol		Proprietary	<7.5
Glycerol		56-81-5	<5
Diethylene glycol		111-46-6	<2.5
Pigment red		Proprietary	<2.5

**Composition comments** This ink supply contains an aqueous ink formulation.

## 4. First-aid measures

### Description of necessary first-aid measures

<b>Inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>Eye contact</b>	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.
<b>Ingestion</b>	If material is ingested, immediately contact a physician or poison control center.

**Most important symptoms/effects, acute and delayed** Not available.

## 5. Fire-fighting measures

<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup
<b>Suitable extinguishing media</b>	CO <sub>2</sub> , water, dry chemical, or foam
<b>Unsuitable extinguishing media</b>	None known.
<b>Specific hazards arising from the chemical</b>	Not applicable.
<b>Special protective actions for firefighters</b>	Not available.
<b>Specific methods</b>	None established.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Wear appropriate personal protective equipment.
<b>For emergency responders</b>	Not available.

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

**Methods and materials for containment and cleaning up** Not available.

**Other issues relating to spills and releases** Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Use personal protective equipment to minimize exposure to skin and eye. See also section 13 Disposal considerations.

## 7. Handling and storage

**Precautions to ensure safe handling** Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities** Keep out of the reach of children. Keep away from excessive heat or cold.

## 8. Exposure controls/personal protection

**Control parameters**

## Occupational exposure limits

### Mexico. Occupational Exposure Limit Values

Components	Type	Value	Form
Glycerol (CAS 56-81-5)	TWA	10 mg/m <sup>3</sup>	Mist.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).		
<b>Exposure guidelines</b>	Exposure limits have not been established for this product.		
<b>Control banding approach</b>	Not available.		
<b>Appropriate engineering controls</b>	Use in a well ventilated area.		
<b>Individual protection measures, such as personal protective equipment</b>			
<b>Eye/face protection</b>	Not required under intended use.		
<b>Skin protection</b>			
<b>Hand protection</b>	Not available.		
<b>Other</b>	Protected gloves not required under intended use.		
<b>Respiratory protection</b>	For use other than intended use (such as in the event of a large spill), goggles and respirators may be required.		
<b>Thermal hazards</b>	Not available.		
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.		

## 9. Physical and chemical properties

### Appearance

**Physical state** Not available.

**Color** Light Magenta

**Odor** Not available.

**Odor threshold** Not available.

**pH** 9.2

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not determined

**Flash point** > 200.0 °F (> 93.3 °C) Pensky-Martens Closed Cup

**Evaporation rate** Not determined

**Flammability (solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not determined

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

**Explosive limit - upper (%)** Not available.

**Vapor pressure** Not determined

### Solubility(ies)

**Solubility (water)** Soluble in water

**Partition coefficient (n-octanol/water)** Not available.

**Auto-ignition temperature** Not determined

**Decomposition temperature** Not available.

**Viscosity** Not available.

### Other information

**Oxidizing properties** Not determined

**VOC (Weight %)** < 183 g/l

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. aldehydes, ketones, hydrogen fluoride, fluorinated hydrocarbons

## 11. Toxicological information

### Information on likely routes of exposure

**Symptoms** Not available.

### Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Based on available data, the classification criteria are not met.

### Respiratory or skin sensitization

**Respiratory sensitization** Based on available data, the classification criteria are not met.

**Skin sensitization** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Other information** Complete toxicity data are not available for this specific formulation  
Refer to Section 2 for potential health effects and Section 4 for first aid measures.

Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Guinea pig	6500 mg/kg
	Rat	6500 mg/kg
Diethylene glycol (CAS 111-46-6)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	11890 mg/kg
<i>Oral</i>		
LD50	Cat	3300 mg/kg
	Dog	9000 mg/kg
	Guinea pig	8700 mg/kg
	Mouse	13.3 g/kg
	Rabbit	26.9 g/kg
	Rat	12565 mg/kg
<i>Other</i>		
LD50	Mouse	9.6 g/kg

Components	Species	Test Results
	Rabbit	2000 mg/kg
	Rat	7700 mg/kg
		7.7 g/kg

## 12. Ecological information

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Partition coefficient n-octanol / water (log Kow)**

2-pyrrolidone	-0.85
Glycerol	-1.76

**Mobility in soil** Not available.

**Other adverse effects** Not available.

### Ecotoxicity

Product	Species	Test Results
---------	---------	--------------

C9443 Series (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

Diethylene glycol (CAS 111-46-6)

**Aquatic**

Fish LC50 Western mosquitofish (*Gambusia affinis*) > 32000 mg/l, 96 hours

Glycerol (CAS 56-81-5)

**Aquatic**

Fish LC50 Rainbow trout, donaldson trout (Onchorhynchus mykiss) 51000 - 57000 mg/l, 96 hours

## 13. Disposal considerations

### Disposal methods

**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>.

**Local disposal regulations** Not available.

**Waste from residues / unused products** Not available.

**Contaminated packaging** Not available.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

---

**ADR**

Not regulated as dangerous goods.

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

---

**15. Regulatory information****Safety, health and environmental regulations specific for the product in question****Mexico. Hazard identification guidance list (NOM-018-STPS)**

GLICERINA, NIEBLA (CAS 56-81-5) Listed.

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

Not listed.

**International regulations**

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.

**Montreal Protocol**

Not applicable.

**Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Basel Convention**

Not applicable.

---

**16. Other information**

**Issue date** 12-Mar-2015

**Revision date** 08-Sep-2015

**Version #** 02

**List of abbreviations** Not available.

**Disclaimer**

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP 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.

**This data sheet contains changes from the previous version in section(s):**

Hazard identification: Other hazards which do not result in classification  
Other information: Disclaimer

**Manufacturer information**

HP  
1501 Page Mill Road  
Palo Alto, CA 94304-1112 US  
Direct 1-650-857-5020

---

## Explanation of abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>CAS</b>	Chemical Abstracts Service
<b>CERCLA</b>	Comprehensive Environmental Response Compensation and Liability Act
<b>CFR</b>	Code of Federal Regulations
<b>COC</b>	Cleveland Open Cup
<b>DOT</b>	Department of Transportation
<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act (aka SARA)
<b>IARC</b>	International Agency for Research on Cancer
<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>NTP</b>	National Toxicology Program
<b>OSHA</b>	Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>RCRA</b>	Resource Conservation and Recovery Act
<b>REC</b>	Recommended
<b>REL</b>	Recommended Exposure Limit
<b>SARA</b>	Superfund Amendments and Reauthorization Act of 1986
<b>STEL</b>	Short-Term Exposure Limit
<b>TCLP</b>	Toxicity Characteristics Leaching Procedure
<b>TLV</b>	Threshold Limit Value
<b>TSCA</b>	Toxic Substances Control Act
<b>VOC</b>	Volatile Organic Compounds