



# SAFETY DATA SHEET

## 1. Identification of the dangerous substance/preparation and the identity of the manufacturer, importer, agent or marketer

**Important information** \*\*\* This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. \*\*\*

**Product name** C9427Series

**Other means of identification** Not available.

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## 2. Identification of the components of the substance/preparation

Substance or Preparation	Preparation		
Chemical name	Synonyms	CAS number	Percent
Water		7732-18-5	70-80
Trimethylolpropane		77-99-6	<15
2-pyrrolidone		616-45-5	<5
Yellow colorant		Proprietary	<5
disodium hexadecyldiphenyloxide disulfonate		65143-89-7	<1

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

2-pyrrolidone: Specific Concentration Limit 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an animal study. See Section 11.

## 3. Dangers of the dangerous substance/preparation

**Classification** R52/53

**Physical hazards** Not classified as a physical hazard.

**Health hazards** Not classified as a health hazard.

**Environmental hazards** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**GHS classification**

**Physical hazards** Not classified.

**Health hazards** Reproductive toxicity (fertility, the unborn child) Category 1B

**Environmental hazards** Not classified.

## GHS label elements

### Symbols



<b>Signal word</b>	Danger
<b>Hazard statement</b>	May damage fertility or the unborn child.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wear protective gloves/protective clothing/eye protection. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
<b>Response</b>	IF exposed or concerned: Get medical advice/attention.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Other hazards</b>	Complete toxicity data are not available for this specific formulation.  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.
<b>Supplemental information</b>	2-pyrrolidone: Specific Concentration Limits, Reproductive toxicity Category 1B, fertility or the unborn child 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an animal study. See Section 11.

## 4. First aid instructions

### First aid measures for different exposure routes

<b>Inhalation</b>	Remove to fresh air. If symptoms persist, get medical attention.
<b>Skin contact</b>	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
<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 ingestion of a large amount does occur, seek medical attention.
<b>Main symptoms</b>	Not available.
<b>Personal protection for first-aid responders</b>	Not available.
<b>Notes to physician</b>	Not available.
<b>Special first aid equipment</b>	Not available.

## 5. Firefighting procedure

### Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical, CO2, water spray or regular foam.
<b>Extinguishing media which must not be used for safety reasons</b>	None known.
<b>Specific hazards during fire fighting</b>	Not available.
<b>Special fire fighting procedures</b>	Not available.
<b>Protection of fire-fighters</b>	Not available.
<b>Specific methods</b>	None established.

## 6. Safety precautions

<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up</b>	Not available.
<b>Other information</b>	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.
<b>Personal precautions</b>	Wear appropriate personal protective equipment.

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## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with skin, eyes and clothing.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep out of the reach of children. Keep away from excessive heat or cold.

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## 8. Means of reducing exposure and personal protection

<b>Engineering measures to reduce exposure</b>	Use in a well ventilated area.
<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<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>Personal protective equipment</b>	
<b>Respiratory protection</b>	Not available.
<b>Hand protection</b>	Not available.
<b>Eye protection</b>	Not available.
<b>Skin and body protection</b>	Use personal protective equipment to minimize exposure to skin and eye.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Not available.
<b>Color</b>	Yellow
<b>Odor</b>	Not available.
<b>pH</b>	7.3 - 8
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not determined
<b>Decomposition temperature</b>	Not available.
<b>Flash point</b>	200.0 °F (93.3 °C) Setaflash Closed Tester
<b>Flammability</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not determined
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Oxidizing properties</b>	Not determined
<b>Vapor pressure</b>	Not available.
<b>Density</b>	1.05 g/cm3
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble in water
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other information</b>	
<b>Evaporation rate</b>	Not determined
<b>Vapor density</b>	>= 1 (air = 1.00)
<b>VOC</b>	< 60 g/l

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## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
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<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Not available.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Incompatibility</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.
<b>Materials to avoid</b>	Not available.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Contact with skin may result in mild irritation.
<b>Eye contact</b>	Contact with eyes may result in mild irritation.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.

**Toxicological data** Not available.

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

Components	Species	Test Results
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2-pyrrolidone (CAS 616-45-5)

#### Acute

#### **Oral**

LD50	Rat	> 5000 mg/kg
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**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** May damage fertility or the unborn child.

2-pyrrolidone: This component showed developmental effects only at high doses that were toxic to pregnant test animals (OECD Testing Guideline 414: Prenatal Developmental Toxicity Study). Uptake by people of small doses is not expected to cause developmental toxicity. This component has not caused adverse effects on sexual function or damage to fertility in an animal study (OECD Testing Guideline 443: Extended One-Generation Reproductive Toxicity Study).

**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.

**Chronic effects** Not available.

**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.

## 12. Environmental information

**Aquatic toxicity** Static acute toxicity (trout), survival (100 mg/L) = 97%  
Static acute toxicity (trout), survival (10 mg/L) = 100%  
LC50/96h/rainbow trout => 100 mg/l  
EC50/48h/daphnia => 100mg/l , OECD 202  
EC50/72h/algae => 100 mg/l, OECD 201

## Ecotoxicity

Static acute toxicity (trout), survival (100 mg/L) = 97%  
Static acute toxicity (trout), survival (10 mg/L) = 100%  
LC50/96h/rainbow trout => 100 mg/l  
EC50/48h/daphnia => 100mg/l , OECD 202  
EC50/72h/algae => 100 mg/l, OECD 201

Components	Species	Test Results
2-pyrrolidone (CAS 616-45-5)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia pulex)
		13.21 mg/l, 48 hours
Trimethylolpropane (CAS 77-99-6)		
<b>Aquatic</b>		
Crustacea	EC50	Daphnia
		102, 48 Hours
Fish	LC50	Fish
		1000, 96 Hours

**Environmental effects** Not available.

**Persistence and degradability**

**Mobility in soil** Not available.

**Other information** Not available.

## 13. Dangerous substance 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.  
Dispose of in compliance with Israeli Ministry of the Environment and local regulations.

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

**Contaminated packaging** Not available.

**Special precautions** Not available.

## 14. Transport information

### DOT

**UN number** Not available.  
**UN proper shipping name** Not Regulated  
**Transport hazard class(es)**  
**Class** Not available.  
**Subsidiary risk** -  
**Packing group** Not available.  
**Environmental hazards**  
**Marine pollutant** No  
**Special precautions for user** Not available.

### IATA

**UN number** Not available.  
**UN proper shipping name** Not Regulated  
**Transport hazard class(es)**  
**Class** Not available.  
**Subsidiary risk** -  
**Packing group** Not available.  
**Environmental hazards** No  
**Special precautions for user** Not available.

### IMDG

**UN number** Not available.  
**UN proper shipping name** Not Regulated  
**Transport hazard class(es)**  
**Class** Not available.  
**Subsidiary risk** -  
**Packing group** Not available.  
**Transport hazard class(es)**  
**Marine pollutant** No

<b>EmS</b>	Not available.
<b>Special precautions for user</b>	Not available.
<b>ADR</b>	
<b>UN number</b>	Not available.
<b>UN proper shipping name</b>	Not Regulated
<b>Transport hazard class(es)</b>	
<b>Class</b>	Not available.
<b>Subsidiary risk</b>	-
<b>Hazard No. (ADR)</b>	Not available.
<b>Tunnel restriction code</b>	Not available.
<b>Packing group</b>	Not available.
<b>Environmental hazards</b>	No
<b>Special precautions for user</b>	Not available.
<b>Further information</b>	Not a regulated article under Israeli Transport Services Law and Regulation 1997, United States DOT, IATA, ADR, IMDG or RID.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

## 15. Regulatory information

### Israel regulations

#### Israel. Harmful Chemicals (Hazardous Substances Law, 5753-1993, Annex 1, as amended)

Not listed.

#### Israel. Toxic Chemicals (Hazardous Substances Law, 5753-1993, Annex 2, as amended)

Not listed.

<b>Regulatory information</b>	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.
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## 16. Other information

<b>Training information</b>	Follow training instructions when handling this material.
<b>Recommended use</b>	Not available.
<b>Recommended restrictions</b>	Not available.
<b>Further information</b>	Not available.
<b>Bibliography</b>	Not available.
<b>Disclaimer</b>	<p>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.</p> <p>This safety data sheet is meant to convey information about HP inks (toners) provided in HP Original ink (toner) supplies. If our Safety Data Sheet has been provided to you with a refilled, remanufactured, compatible or other non-HP Original supply please be aware that the information contained herein was not meant to convey information about such products and there could be considerable differences from information in this document and the safety information for the product you purchased. Please contact the seller of the refilled, remanufactured or compatible supplies for applicable information, including information on personal protective equipment, exposure risks and safe handling guidance. HP does not accept refilled, remanufactured or compatible supplies in our recycling programs.</p>
<b>Revision information</b>	<ol style="list-style-type: none"><li>1. Product and Company Identification: EU Poison Center</li><li>3. Composition / Information on Ingredients: Disclosure Overrides</li></ol>

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## 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