



# SAFETY DATA SHEET

## 1. Identification

### 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 identifier

F0L61Series

### Other means of identification

#### Synonyms

HP 2580 Black Solvent Ink

### Recommended use

Inkjet printing

### Recommended restrictions

None known.

### Manufacturer/Importer/Supplier/Distributor information

HP Inc.  
1501 Page Mill Road  
Palo Alto, CA 94304-1112  
United States

### Telephone

650-857-1501

### HP Inc. health effects line

#### (Toll-free within the US)

1-800-457-4209

#### (Direct)

1-760-710-0048

### HP Inc. Customer Care

#### Line

#### (Toll-free within the US)

1-800-474-6836

#### (Direct)

1-208-323-2551

### Email:

hpcustomer.inquiries@hp.com

## 2. Hazard(s) identification

### Physical hazards

Flammable liquids

Category 2

### Health hazards

Serious eye damage/eye irritation

Category 1

### Environmental hazards

Hazardous to the aquatic environment,  
long-term hazard

Category 3

### OSHA defined hazards

Not classified.

### Label elements



### Signal word

Danger

### Hazard statement

Highly flammable liquid and vapor. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

### Precautionary statement

#### Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment.

#### Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. In case of fire: Use CO2 to extinguish.

#### Storage

Store in a well-ventilated place. Keep cool.

|  |   |
|--|---|
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.   |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | Prolonged or repeated skin contact may cause drying, cracking, or irritation. May produce an allergic reaction. Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation. |
| <b>Supplemental information</b>                  | None.   |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name  | Common name and synonyms | CAS number   | %    |
|--|--------------------------|--------------|------|
| Ethyl Alcohol  |                          | 64-17-5      | <80  |
| Cyclohexanone  |                          | 108-94-1     | <10  |
| Acetone  |                          | 67-64-1      | <7.5 |
| Chromium, 1-[2-[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]diazenyl]-2-naphthalenol 1-[2-[2-hydroxy-4(or 5)-nitrophenyl]diazenyl]-2-naphthalenol Ammonium Sodium Complexes |                          | 1029600-34-7 | <5   |
| C.I. Solvent Orange 11   |                          | 61725-76-6   | <1   |
| Naphthalene  |                          | 91-20-3      | <0.1 |

### 4. First-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move person to fresh air immediately.<br>If symptoms persist, get immediate medical attention.  |
| <b>Skin contact</b>                                       | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse.<br>Get medical attention, if needed.                                      |
| <b>Eye contact</b>  | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.<br>Get medical attention immediately.  |
| <b>Ingestion</b>  | Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.<br>Get medical attention immediately. |
| <b>Most important symptoms/effects, acute and delayed</b> | Not available.  |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Suitable extinguishing media: sand, carbon dioxide (CO2) or dry chemical.   |
| <b>Unsuitable extinguishing media</b>                                | Not available.  |
| <b>Specific hazards arising from the chemical</b>                    | Not applicable.   |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do it without risk.   |

### 6. Accidental release measures

|  |  |
|--|--|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Avoid contact with skin. Avoid inhalation of vapors or mists.<br>Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition.<br>Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter. |
| <b>Methods and materials for containment and cleaning up</b>               | Not available.   |
| <b>Environmental precautions</b>   | Do not flush into surface water or sanitary sewer system.  |

## 7. Handling and storage

**Precautions for safe handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product.  
Use with adequate ventilation.  
Wear personal protective equipment.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                   | Type | Value                              |
|------------------------------|------|------------------------------------|
| Acetone (CAS 67-64-1)        | PEL  | 2400 mg/m <sup>3</sup><br>1000 ppm |
| Cyclohexanone (CAS 108-94-1) | PEL  | 200 mg/m <sup>3</sup><br>50 ppm    |
| Ethyl Alcohol (CAS 64-17-5)  | PEL  | 1900 mg/m <sup>3</sup><br>1000 ppm |
| Naphthalene (CAS 91-20-3)    | PEL  | 50 mg/m <sup>3</sup><br>10 ppm     |

#### US. ACGIH Threshold Limit Values

| Components                   | Type | Value    |
|------------------------------|------|----------|
| Acetone (CAS 67-64-1)        | STEL | 500 ppm  |
|                              | TWA  | 250 ppm  |
| Cyclohexanone (CAS 108-94-1) | STEL | 50 ppm   |
|                              | TWA  | 20 ppm   |
| Ethyl Alcohol (CAS 64-17-5)  | STEL | 1000 ppm |
| Naphthalene (CAS 91-20-3)    | STEL | 15 ppm   |
|                              | TWA  | 10 ppm   |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                   | Type | Value                              |
|------------------------------|------|------------------------------------|
| Acetone (CAS 67-64-1)        | TWA  | 590 mg/m <sup>3</sup><br>250 ppm   |
| Cyclohexanone (CAS 108-94-1) | TWA  | 100 mg/m <sup>3</sup><br>25 ppm    |
| Ethyl Alcohol (CAS 64-17-5)  | TWA  | 1900 mg/m <sup>3</sup><br>1000 ppm |
| Naphthalene (CAS 91-20-3)    | STEL | 75 mg/m <sup>3</sup><br>15 ppm     |
|                              | TWA  | 50 mg/m <sup>3</sup><br>10 ppm     |

### Biological limit values

#### ACGIH Biological Exposure Indices

| Components                   | Value   | Determinant                          | Specimen | Sampling Time |
|------------------------------|---------|--------------------------------------|----------|---------------|
| Acetone (CAS 67-64-1)        | 25 mg/l | Acetone                              | Urine    | *             |
| Cyclohexanone (CAS 108-94-1) | 80 mg/l | 1,2-Cyclohexanediol, with hydrolysis | Urine    | *             |

**ACGIH Biological Exposure Indices**

| Components | Value | Determinant | Specimen | Sampling Time |
|------------|-------|-------------|----------|---------------|
|------------|-------|-------------|----------|---------------|

8 mg/l

Cyclohexanol,  
with hydrolysis

Urine

\*

\* - For sampling details, please see the source document.

**Exposure guidelines****US - California OELs: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

**US - Minnesota Haz Subs: Skin designation applies**

Cyclohexanone (CAS 108-94-1)

Skin designation applies.

**US - Tennessee OELs: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

Naphthalene (CAS 91-20-3)

Can be absorbed through the skin.

**US NIOSH Pocket Guide to Chemical Hazards: Skin designation**

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

**Appropriate engineering controls**

Not available.

**Individual protection measures, such as personal protective equipment****Eye/face protection**Wear safety glasses; chemical goggles (if splashing is possible).  
Eye wash fountain and emergency showers are recommended.**Skin protection****Hand protection**

Recommended gloves: Nitrile 6 mil minimum thickness.

**Other**

Wear appropriate chemical resistant clothing.

**Respiratory protection**

Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards**

Not available.

**General hygiene considerations**Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing.  
When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.  
Launder contaminated clothing before reuse.**9. Physical and chemical properties****Appearance****Physical state**

Not available.

**Form**

Liquid.

**Color**

Black.

**Odor**

Solvent.

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

Not available.

**Initial boiling point and boiling range**

Not available.

**Flash point**

41.0 °F (5.0 °C) Setaflash Closed Cup

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits****Flammability limit - lower (%)**

Not available.

**Flammability limit - upper (%)**

Not available.

**Explosive limit - lower (%)**

Not available.

**Explosive limit - upper (%)**

Not available.

|  |   |
|--|---|
| <b>Vapor pressure</b>                          | Not available.  |
| <b>Vapor density</b>                           | Not available.  |
| <b>Solubility(ies)</b>                         |   |
| <b>Solubility (water)</b>                      | Not available.  |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.  |
| <b>Auto-ignition temperature</b>               | Not available.  |
| <b>Decomposition temperature</b>               | Not available.  |
| <b>Viscosity</b>                               | Not available.  |
| <b>Other information</b>                       | For other VOC regulatory data/information see Section 15. |
| <b>VOC</b>                                     | 743 g/l US EPA Method 24                                  |

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## 10. Stability and reactivity

|   |                              |
|---|------------------------------|
| <b>Reactivity</b>                         | Not available.               |
| <b>Chemical stability</b>                 | Stable at normal conditions. |
| <b>Possibility of hazardous reactions</b> | None known.                  |
| <b>Conditions to avoid</b>                | Heat, flames and sparks.     |
| <b>Incompatible materials</b>             | Not available.               |
| <b>Hazardous decomposition products</b>   | Not available.               |

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## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Inhalation may result in mild irritation to the respiratory system. |
| <b>Skin contact</b> | Contact with skin may result in mild irritation.                    |
| <b>Eye contact</b>  | Causes serious eye damage.  |
| <b>Ingestion</b>    | Ingestion is not a likely route of exposure.                        |

**Symptoms related to the physical, chemical and toxicological characteristics** Not available.

### Information on toxicological effects

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

| <b>Components</b>            | <b>Species</b> | <b>Test Results</b> |
|------------------------------|----------------|---------------------|
| Cyclohexanone (CAS 108-94-1) |                |                     |
| <b><u>Acute</u></b>          |                |                     |
| <b>Inhalation</b>            |                |                     |
| <i>Vapor</i>                 |                |                     |
| LC50                         | Rat            | > 6.2 mg/l, 4 Hours |
| Naphthalene (CAS 91-20-3)    |                |                     |
| <b><u>Acute</u></b>          |                |                     |
| <b>Dermal</b>                |                |                     |
| LD50                         | Rabbit         | > 2 g/kg            |
|                              | Rat            | > 20 g/kg           |
| <b>Oral</b>                  |                |                     |
| LD50                         | Guinea pig     | 1200 mg/kg          |
|                              | Rat            | 490 mg/kg           |
| <b>Other</b>                 |                |                     |
| LD50                         | Mouse          | 100 mg/kg           |

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

**Serious eye damage/eye irritation** Causes serious eye damage.

## 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.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)

3 Not classifiable as to carcinogenicity to humans.

Naphthalene (CAS 91-20-3)

2B Possibly carcinogenic to humans.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### US. National Toxicology Program (NTP) Report on Carcinogens

Naphthalene (CAS 91-20-3)

Reasonably Anticipated to be a Human Carcinogen.

**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.

**Further 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.

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## 12. Ecological information

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

LC50/96h/rainbow trout =<100 mg/l and >10 mg/l.

### Ecotoxicity

| Components                  |      | Species                              | Test Results               |
|-----------------------------|------|--------------------------------------|----------------------------|
| Ethyl Alcohol (CAS 64-17-5) |      |                                      |                            |
| <b>Aquatic</b>              |      |                                      |                            |
| Crustacea                   | EC50 | Daphnia                              | 9268, 48 Hours             |
| Fish                        | LC50 | Fish                                 | 12900, 96 Hours            |
| Naphthalene (CAS 91-20-3)   |      |                                      |                            |
| <b>Aquatic</b>              |      |                                      |                            |
| Crustacea                   | EC50 | Water flea (Daphnia magna)           | 1.09 - 3.4 mg/l, 48 hours  |
| Fish                        | LC50 | Pink salmon (Oncorhynchus gorboscha) | 1.11 - 1.68 mg/l, 96 hours |

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

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

|               |       |
|---------------|-------|
| Acetone       | -0.24 |
| Cyclohexanone | 0.81  |
| Ethyl Alcohol | -0.31 |
| Naphthalene   | 3.3   |

**Mobility in soil** Not available.

**Other adverse effects** Not available.

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## 13. Disposal considerations

**Disposal instructions** Do not dispose of together with general office waste.  
Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
Ensure collection and disposal with an appropriately licensed waste contractor.

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## 14. Transport information

### DOT

|                                |              |
|--------------------------------|--------------|
| <b>UN number</b>               | UN1210       |
| <b>UN proper shipping name</b> | Printing ink |

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**Packing group** II

**Special precautions for user** Not available.

**DOT Supplemental Information** DOT Classification only applies to shipments within the US and Puerto Rico.

**IATA**

**UN number** UN1210

**UN proper shipping name** Printing ink

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**Packing group** II

**Environmental hazards** No.

**Special precautions for user** Not available.

**IMDG**

**UN number** UN1210

**UN proper shipping name** Printing ink

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**Packing group** II

**Transport hazard class(es)**

**Marine pollutant** No.

**EmS** Not available.

**Special precautions for user** Not available.

**ADR**

**UN number** UN1210

**UN proper shipping name** Printing ink

**Transport hazard class(es)**

**Class** 3

**Subsidiary risk** -

**Hazard No. (ADR)** Not available.

**Tunnel restriction code** Not available.

**Packing group** II

**Environmental hazards** No.

**Special precautions for user** Not available.

**ADR; IATA; IMDG**



**DOT**



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## 15. Regulatory information

**US federal regulations** US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

### Toxic Substances Control Act (TSCA)

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

|                              |         |
|------------------------------|---------|
| Acetone (CAS 67-64-1)        | Listed. |
| Cyclohexanone (CAS 108-94-1) | Listed. |
| Naphthalene (CAS 91-20-3)    | Listed. |

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories** Flammable (gases, aerosols, liquids, or solids)  
Serious eye damage or eye irritation

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Naphthalene (CAS 91-20-3)

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

#### Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Acetone (CAS 67-64-1) 6532

#### Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Acetone (CAS 67-64-1) 35 %WV

#### DEA Exempt Chemical Mixtures Code Number

Acetone (CAS 67-64-1) 6532

#### FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

|                              |              |
|------------------------------|--------------|
| Acetone (CAS 67-64-1)        | Low priority |
| Cyclohexanone (CAS 108-94-1) | Low priority |
| Ethyl Alcohol (CAS 64-17-5)  | Low priority |

### US state regulations

#### California Proposition 65

##### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Naphthalene (CAS 91-20-3) Listed: April 19, 2002

##### US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetone (CAS 67-64-1)  
Naphthalene (CAS 91-20-3)

### Other information

VOC content (less water, less exempt compounds) = 755 g/L (U.S. requirement, not for emissions)  
VOC data based on formulation (Organic compounds minus solids)  
US EPA Method 24

### 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.

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## 16. Other information, including date of preparation or last revision

**Issue date** 14-Apr-2016



**Revision date** 15-Sep-2020  
**Version #** 05  
**Other information** This SDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

**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.

**Revision information** 1. Product and Company Identification: Alternate Trade Names  
Hazard(s) identification: Hazard(s) not otherwise classified (HNOC)  
Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Regulatory information: Other information  
GHS: Classification

**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  |