



SAFETY DATA SHEET

1. Identification

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|--|---|--|
| 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 | F0L96Series | |
| Other means of identification | | |
| Synonyms | HP 2580 Black Solvent Ink | |
| Recommended use of the chemical and restrictions on use | | |
| Recommended use | Inkjet printing | |
| Recommended restrictions | None known. | |
| Manufacturer/Importer/Supplier/Distributor information | HP Singapore (Private) Limited 1 Depot Close Singapore, 109841 | |
| Telephone | 62753888 | |
| 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. Hazards identification

| | | |
|------------------------------|-----------------------------------|------------|
| GHS classification | | |
| Physical hazards | Flammable liquids | Category 2 |
| Health hazards | Serious eye damage/eye irritation | Category 1 |
| Environmental hazards | Not classified. | |

GHS label elements, including precautionary statements

Pictograms



| | |
|--|---|
| Signal word | Danger |
| Hazard statements | 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. 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. Store in a well-ventilated place. Keep cool. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Other hazards which do not result in classification | 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. |
| Supplemental information | Contains tinting agent. May produce an allergic reaction. |

3. Composition/information on ingredients

| Substance or mixture | Mixture | CAS Number | Concentration (%) |
|--|---------------------------------|--------------|-------------------|
| Chemical name | Common name and synonyms | | |
| 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]diazonyl]-2-naphthalenol 1-[2-[2-hydroxy-4(or 5)-nitrophenyl]diazonyl]-2-naphthalenol Ammonium Sodium Complexes | | 1029600-34-7 | <5 |
| C.I. Solvent Orange 11 | | 61725-76-6 | <1 |

4. First-aid measures

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|---|---|
| Inhalation | Move person to fresh air immediately. If symptoms persist, get immediate medical attention. |
| Skin contact | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed. |
| Eye contact | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately. |
| Ingestion | 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. Get medical attention immediately. |
| Most important symptoms/effects, acute and delayed | Not available. |
| Indication of immediate medical attention and special treatment needed | Not available. |

5. Fire-fighting measures

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

6. Accidental release measures

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

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

Singapore. PELs. (Workplace Safety and Health (Permissible Exposure Levels of Toxic Substances) Order)

| Components | Type | Value |
|------------------------------|------|------------------------|
| Acetone (CAS 67-64-1) | STEL | 2380 mg/m3 1000 ppm |
| | TWA | 1780 mg/m3 750 ppm |
| | TWA | 100 mg/m3 25 ppm |
| Cyclohexanone (CAS 108-94-1) | TWA | 100 mg/m3 25 ppm |
| Ethyl Alcohol (CAS 64-17-5) | TWA | 1880 mg/m3 1000 ppm |

Control parameters/Occupational exposure limits

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 |

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 | * |
| | 8 mg/l | Cyclohexanol, with hydrolysis | Urine | * |

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

Exposure guidelines

US ACGIH Threshold Limit Values: Skin designation

Cyclohexanone (CAS 108-94-1) Can be absorbed through the skin.

Appropriate engineering control measures 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) Setafash Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other data | |
| VOC | 743 g/l US EPA Method 24 |

10. Stability and reactivity

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

11. Toxicological information

Information on likely routes of exposure

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

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

| Components | Species | Test Results |
|------------------------------|---------|---------------------|
| Cyclohexanone (CAS 108-94-1) | | |
| <u>Acute</u> | | |
| Inhalation | | |
| Vapor | | |
| LC50 | Rat | > 6.2 mg/l, 4 Hours |

Symptoms Not available.

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. |
| 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. |
| 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. Ecological information

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|-------------------------|--|
| 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) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Daphnia | 9268, 48 Hours |
| Fish | LC50 | Fish | 12900, 96 Hours |
| Persistence and degradability | Not available. | | |
| Bioaccumulative potential | Not available. | | |
| Octanol/water partition coefficient log Kow | | | |
| Acetone | | -0.24 | |
| Cyclohexanone | | 0.81 | |
| Ethyl Alcohol | | -0.31 | |
| Mobility in soil | Not available. | | |
| Other adverse effects | Not available. | | |

13. Disposal considerations

| | |
|-------------------------------------|--|
| Disposal methods/information | 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. |
| Special precautions | Not available. |

14. Transport information

DOT

| | |
|-------------------------------------|---|
| UN number | UN1210 |
| UN proper shipping name | 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



15. Regulatory information

Safety, health and environmental regulations specific for the product in question

Chemical Weapons Prohibition (Act)

Not applicable.

Controlled Narcotic Drugs (Misuse of Drugs Act, First Schedule, Part I, II & III)

Not regulated.

Controlled Specified Drugs (Misuse of Drugs Act, Fourth Schedule)

Not regulated.

Environmental Protection and Management (Hazardous Substances) Regulations

Not applicable.

Environmental Public Health Act

Not applicable.

Prior Informed Consent (PIC) Substances (Environment Protection and Management Act, 2nd Schedule, Part 1, Jul. 1, 2013)

Not regulated.

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**References** Not available.**Issued by****Company name** HP Inc.**Prepared by**

HP Inc.

Disclaimer

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Issue date 19-Sep-2019**Revision date** 15-Sep-2020**Key/legend** Not applicable.**Revision information**

1. Product and Company Identification: Alternate Trade Names
 Hazards identification: Other hazards which do not result in classification
 Composition / Information on Ingredients: Ingredients
 Physical & Chemical Properties: Multiple Properties
 GHS: Classification

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 |