



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 | C1Q27Series |
| Other means of identification | None. |
| Recommended use | Inkjet printing. For use only in inkjet printing |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| | Hewlett-Packard Vietnam Ltd. Suite 1002, 29 Le Duan, Saigon Tower, 10th floor District 1, Ho Chi Minh city, Ho Chi Minh (Sai Gon), Viet Nam |
| Telephone | +84437245550 |
| HP Inc. health effect line | |
| (Toll-free within 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

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|--|--|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Not classified. |
| Label elements | |
| Hazard symbol | 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. 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. |
| GHS Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

Hazardous components

| Chemical name | Common name and synonyms | CAS number | % |
|-------------------|--------------------------|------------|----|
| Diethylene glycol | | 111-46-6 | <5 |

| Non-hazardous components | | | |
|--------------------------|--------------------------|-------------|-------|
| Chemical name | Common name and synonyms | CAS number | % |
| Water | | 7732-18-5 | 70-80 |
| Cyclo Amide | | Proprietary | <15 |
| Black Pigment | | Proprietary | <5 |
| Trade secret colorant | | Proprietary | <1 |

Composition comments This ink supply contains an aqueous ink formulation.

Carbon black is present only in a bound form in this preparation.

4. First-aid measures

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| Inhalation | Remove to fresh air. If symptoms persist, get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists. |
| Eye contact | 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. |
| Ingestion | If ingestion of a large amount does occur, seek medical attention. |
| Most important symptoms/effects, acute and delayed | Not available. |

5. Fire-fighting measures

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| Suitable extinguishing media | Dry chemical, CO2, water spray or regular foam. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | None known. |
| Special protective equipment and precautions for firefighters | Not available. |
| Specific methods | None established. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | Wear appropriate personal protective equipment. |
| Methods and materials for containment and cleaning up | Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |

7. Handling and storage

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| Precautions for 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

Occupational exposure limits

| Vietnam. OELs | | | |
|----------------------------------|------|-----------|---------------------|
| Components | Type | Value | |
| Black Pigment | STEL | 7 mg/m3 | |
| | TWA | 3.5 mg/m3 | |
| US. ACGIH Threshold Limit Values | | | |
| Components | Type | Value | Form |
| Black Pigment | TWA | 3 mg/m3 | Inhalable fraction. |

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| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Exposure guidelines | Exposure limits have not been established for this product. |
| Appropriate engineering controls | Not available. |

Individual protection measures, such as personal protective equipment

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| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin protection | |
| Hand protection | Use protective gloves made of: Nitrile rubber. |

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| Other | Wear appropriate chemical resistant clothing. |
| Respiratory protection | Not available. |
| Thermal hazards | Not available. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties

Appearance

| | |
|---|-------------------------|
| Physical state | Liquid. |
| Form | Not available. |
| Color | Black. |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 8 - 10 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | > 230.0 °F (> 110.0 °C) |
| 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. |
| 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 information | |
| Oxidizing properties | Not determined |
| Specific gravity | 1 - 1.1 |
| VOC | < 180 g/l |

10. Stability and reactivity

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| Reactivity | Not available. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | None known. |
| Conditions to avoid | Not 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., fluorinated hydrocarbons and hydrogen fluoride. |

11. Toxicological information

Information on likely routes of exposure

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| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Skin contact | Contact with skin may result in mild irritation. |
| Eye contact | Contact with eyes may result in mild irritation. |

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|---|---|
| Ingestion | 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. |
| Components | Species Test Results |
| Black Pigment | |
| Acute | |
| Oral | |
| LD50 | Rat > 10000 mg/kg |
| Diethylene glycol (CAS 111-46-6) | |
| Acute | |
| Dermal | |
| LD50 | Rabbit 11890 mg/kg |
| Inhalation | |
| <i>Aerosol</i> | |
| LC50 | Rat > 4.6 mg/l, 4 Hours |
| Oral | |
| LD50 | Rat 12565 mg/kg |
| Trade secret colorant | |
| Acute | |
| Oral | |
| LD50 | Rat > 2000 mg/kg |
| Skin corrosion/irritation | Non irritant in rabbit (OECD 404) 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. |

Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation.

ACGIH Carcinogens

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|---------------------------------|--|
| Black Pigment (CAS Proprietary) | A3 Confirmed animal carcinogen with unknown relevance to humans. |
|---------------------------------|--|

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|---------------------------------|-------------------------------------|
| Black Pigment (CAS Proprietary) | 2B Possibly carcinogenic 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. |
| Further information | Complete toxicity data are not available for this specific formulation |

12. Ecological information

| | |
|-------------------------|---------------------------|
| Aquatic toxicity | No information available. |
| Ecotoxicity | No information available. |

| Product | Species | Test Results |
|--------------------------------------|----------------|---|
| C1Q27Series | | |
| Aquatic | | |
| Fish | LC50 | Fathead minnow (Pimephales promelas) > 750 mg/l, 96 Hours |
| Persistence and degradability | Not available. | |
| Bioaccumulative potential | Not available. | |
| Mobility in soil | Not available. | |
| Other adverse effects | Not available. | |

13. Disposal considerations

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|--|---|
| 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. |
| 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

National regulations

Ozone Depleting Substances (ODS) Joint circular No. 14/2005/TTLT-BTM-BTNMT

Not regulated.

Vietnam. Chemicals that must be declared (Decree No. 108/2008/ND-CP, App. 5, Oct. 7, 2008, as amended through Decree No. 26/2011/ND-CP, April 8, 2011)

Not regulated.

Vietnam. Toxic Chemicals Requiring Sale & Purchase Control Slips (Decree No. 26/2011/ND-CP, App. 6, April 8, 2011)

Not regulated.

Vietnam. CWC (Decree No. 100/2005/ND-CP, Implementation of Chemical Weapons Convention, Appendix 1, Schedules 1-3, August 3, 2005)

Not regulated.

Vietnam. Drug Precursor & Essential Substances (Decree No. 67/2001/ND-CP, List IV, as amended through Decree No. 17/2011/ND-CP, Feb. 22, 2011)

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.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

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

| | |
|----------------------|-------------|
| Issue date | 23-Jul-2016 |
| Revision date | 20-Dec-2019 |
| Version # | 04 |

Material name: C1Q27Series

12163 Version #: 04 Revision date: 20-Dec-2019 Issue date: 23-Jul-2016

SDS VIETNAM

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Disclaimer

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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 |