



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 | C6170Series | |
| Other means of identification | None. | |
| 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: | sustainability@hp.com | |

2. Hazard(s) identification

| | | |
|------------------------------|---|------------|
| Physical hazards | Not classified. | |
| Health hazards | Sensitization, skin | Category 1 |
| | Reproductive toxicity (fertility, the unborn child) | Category 2 |
| Environmental hazards | Not classified. | |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



| | |
|--------------------------------|---|
| Signal word | Warning |
| Hazard statement | May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. |
| Precautionary statement | |
| Prevention | Wear protective gloves/protective clothing/eye protection. Obtain special instructions before use. Avoid breathing mist/vapor. Contaminated work clothing should not be allowed out of the workplace. |
| Response | IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. |
| Storage | Store locked up. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Hazard(s) not otherwise classified (HNOC)

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.

Supplemental information

None.

3. Composition/information on ingredients**Mixtures**

| Chemical name | Common name and synonyms | CAS number | % |
|---|--------------------------|--------------|-------|
| Water | | 7732-18-5 | 75-85 |
| Trimethylolpropane | | 77-99-6 | <20 |
| Blue colorant* | | Proprietary* | <2.5 |
| Magenta colorant | | 85586-40-9 | <1 |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | | 2634-33-5 | <0.05 |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | | 2682-20-4 | <0.05 |

Composition comments

This ink supply contains an aqueous ink formulation. This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

*Proprietary

4. First-aid measures**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**Suitable extinguishing media**

Dry chemical, CO₂, water spray or regular foam.

Unsuitable extinguishing media

None known.

Specific hazards arising from the chemical

Not applicable.

Special protective equipment and precautions for firefighters

Not available.

Specific methods

None established.

6. Accidental release measures**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**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

| | |
|--|---|
| 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 | Use in a well ventilated area. |
| Individual protection measures, such as personal protective equipment | |
| Eye/face protection | Not available. |
| Skin protection | |
| Hand protection | Not available. |
| Other | Use personal protective equipment to minimize exposure to skin and eye. |
| 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 | Blue |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 7 - 8 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not determined |
| Flash point | > 230.0 °F (> 110.0 °C) 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 |
| Vapor density | >= 1 (air = 1.0) |
| Solubility(ies) | |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | For other VOC regulatory data/information see Section 15. |
| Density | 1.04 g/cm ³ |
| Oxidizing properties | Not determined |
| VOC | < 31 g/l |

10. Stability and reactivity

| | |
|-------------------|----------------|
| Reactivity | Not available. |
|-------------------|----------------|

| | |
|---|---|
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | Will not occur. |
| 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. |

11. Toxicological information

Information on likely routes of exposure

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

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5)

Acute

Dermal

LD50 Rat > 2000 mg/kg (OECD 402)

Oral

LD50 Mouse 1150 mg/kg
Rat 1020 mg/kg
670 mg/kg (OECD 401)

2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4)

Acute

Dermal

LD50 Rat 242 mg/kg (OECD 402)

Inhalation

LC50 Rat 0.11 mg/l, 4 h (OECD 403)

Oral

LD50 Rat 120 mg/kg

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

Irritation Corrosion - Skin

2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Corrosive, rabbit (OECD 404)

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Irritating (4 h, rabbit)

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

Eye

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Causes serious eye damage (rabbit)

2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Corrosive, based on OECD 404 results

Respiratory or skin sensitization

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

Skin sensitization May cause sensitization by skin contact.

Skin sensitization

1,2-Benzisothiazolin-3-one (Benzisothiazolinone) Causes sensitization (Guinea pig, OECD 406)

2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) Sensitizing, mice (OECD 429), Sensitizing, guinea pigs (OECD 406)

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

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Trimethylolpropane: This component showed reproductive and developmental effects only at high doses that were toxic to pregnant test animals (OECD Testing Guideline 443:Extended One Generation Reproductive Toxicity Study). Uptake by people of small doses, is not expected to cause reproductive and developmental toxicity.

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

Ecotoxicity

| Product | | Species | Test Results |
|--|------|---|--|
| C6170Series | | | |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) | > 750 mg/l, 96 hours |
| Components | | Species | Test Results |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) (CAS 2634-33-5) | | | |
| <i>Acute</i> | | | |
| | EC50 | Activated sludge | 12.8 mg/l, 3 h (OECD 209) |
| Other | EC50 | <i>Pseudokirchnerella subcapitata</i> | 0.11 mg/l, 72 h OECD (201) |
| | NOEC | <i>Pseudokirchnerella subcapitata</i> | 0.055 mg/l, 72 h (OECD 201) |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Crustacea | EC50 | <i>Daphnia magna</i> | 4.4 mg/l, 48 h 2.9 mg/l, 48 h (OECD 202) |
| Fish | LC50 | <i>Oncorhynchus mykiss</i> | 2.15 mg/l, 96 h (OECD 203) 0.8 mg/l, 96 h |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) (CAS 2682-20-4) | | | |
| <i>Acute</i> | | | |
| | EC50 | Activated sludge | 34.6 mg/l (DIN 38412-3) |
| Other | EC50 | <i>Pseudokirchnerella subcapitata</i> | 0.445 mg/l, 120 h (OECD 201) |
| Aquatic | | | |
| <i>Acute</i> | | | |
| Crustacea | EC50 | <i>Daphnia magna</i> | 1.68 mg/l, 48 h (OECD 202) |
| Fish | LC50 | Rainbow Trout | 6 mg/l, 96 h (OECD 203) |
| <i>Chronic</i> | | | |
| Crustacea | NOEC | <i>Daphnia magna</i> | 0.0442 mg/l, 21 d (OECD 211) |
| Fish | NOEC | <i>Oncorhynchus mykiss</i> | 4.93 mg/l, 98 d (OECD 210) |

| Components | Species | Test Results |
|---|----------------|--|
| Trimethylolpropane (CAS 77-99-6) | | |
| Aquatic | | |
| Crustacea | EC50 | Daphnia |
| Fish | LC50 | Fish |
| | | 102, 48 Hours |
| | | 1000, 96 Hours |
| Persistence and degradability | Not available. | |
| Biodegradability | | |
| Percent degradation (Aerobic biodegradation-ready) | | |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | | 85 %, Not readily biodegradable (OECD 301C) Test Duration: 63 d |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | | 54.1 %, (OECD 301B) Test Duration: 29 d |
| Bioaccumulative potential | Not available. | |
| Partition coefficient n-octanol / water (log Kow) | | |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | | 0.7 (OECD 117) |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | | -0.32 (OECD 107) |
| Bioconcentration factor (BCF) | | |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | | 6.62, (OECD 305) Species: Bluegill (Lepomis macrochirus) |
| 2-Methyl-2h-isothiazol-3-one (Methylisothiazolinone) | | 48.1, Viscera (1972) Species: Bluegill (Lepomis macrochirus) 5.75, Carcass (1972) Species: Bluegill (Lepomis macrochirus) |
| Mobility in soil | | |
| Adsorption | | |
| Soil/sediment sorption - log Koc | | |
| 1,2-Benzisothiazolin-3-one (Benzisothiazolinone) | | 0.97, (OECD 121) |
| Other adverse effects | Not available. | |

13. Disposal considerations

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

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
EmS Not available.
Special precautions for user Not available.

ADR

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

Further information Not a dangerous good under 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

US federal regulations US TSCA 12(b): Does not contain listed chemicals.

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)

Not 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 Respiratory or skin sensitization
Reproductive toxicity

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

No intentionally added HAP substances.

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

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Other information

VOC content (less water, less exempt compounds) = <244 g/L (U.S. requirement, not for emissions) VOC data based on formulation (Organic compounds minus solids)

Clean Air Act (CAA) No intentionally added HAPS substances

Regulatory information

HP complies with chemical regulatory requirements in chemical substance notification laws, where applicable. All chemical substances are notified or exempt from notification or listed in the inventory as existing substances in the following countries: US (TSCA), Canada (DSL/NDSL), Australia (AICIS), Japan (ISHL, ENCS), Philippines (PICCS), New Zealand (NZIoC), Russia and China (IECSC). For guidance on importation and/or additional requirements for registration schemes such as EAEU, EU, South Korea, Turkey, UK, India and Taiwan, please contact the Sustainability and Compliance Center (sustainability@hp.com).

16. Other information, including date of preparation or last revision**Issue date** 13-Apr-2015**Revision date** 30-Jul-2022**Version #** 16**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.

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.

Revision information

3. Composition / Information on Ingredients: Disclosure Overrides

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 |