

CQ712Series[A][2]-MSDS_TAIWAN-English-11.pdf

CQ712Series[B][2]-MSDS_TAIWAN-English-06.pdf



SAFETY DATA SHEET

1. Product and company identification

| | |
|---|---|
| Product name | CQ712Series[A][2] |
| Synonyms | HP Designjet 3D Support Removal Powder Kit A |
| Recommended use and Limitations on use | |
| Recommended use | Not available. |
| Issue date | 03-Sep-2016 |
| Version # | 01 |
| Company identification | HP Taiwan Information Technology Ltd. 10F-2, No. 66 Jing Mao 2 Road Taipei, Taipei City, Taiwan 11568 Telephone 886-2-8722-9000 |
| | 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

Hazard classification

| | | |
|------------------------------|--|---|
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity (Oral) | Category 4 |
| | Skin corrosion/irritation | Category 3 |
| | Serious eye damage/eye irritation | Category 2A |
| | Specific target organ toxicity - single exposure | Category 3 respiratory tract irritation |
| Environmental hazards | Acute hazards to the aquatic environment | Category 2 |

Label elements

Symbols



Signal word

Danger

Hazard statement

May intensify fire; oxidizer. Harmful if swallowed. Causes serious eye damage.

Precautionary statement

Prevention

Keep away from clothing and other combustible materials.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P201 - Obtain special instructions before use.
P221 - Take any precaution to avoid mixing with combustibles.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Response

P370 + P378 - In case of fire: Use sand, carbon dioxide (CO₂) or dry chemical to extinguish.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Storage

None.

Disposal
Other hazards

Dispose of contents/container in accordance with local/regional/national/international regulations.
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.

3. Composition/information on ingredients

| | | | |
|-----------------------------|--|--------------|----------------|
| Substance or mixture | Mixture | | |
| Components | | CAS # | Percent |
| Sodium Percarbonate | | 15630-89-4 | <70 |
| Sodium Carbonate | | 497-19-8 | <30 |
| Sodium Bicarbonate | | 144-55-8 | <15 |
| Composition comments | This ink supply contains an aqueous ink formulation. | | |

4. First aid measures

First aid measures for different exposure routes

| | |
|---|---|
| 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 and effects | Not available. |
| Personal protection for first-aid responders | Not available. |
| Notes to physician | Not available. |

5. Fire-fighting measures

| | |
|--|--|
| Flash point | Not available. |
| Extinguishing media | Dry chemical, CO ₂ , water spray or regular foam. |
| Extinguishing media to avoid | None known. |
| Specific hazards during fire fighting | None known. |
| Special fire fighting procedures | None. |
| Protection of fire-fighters | None. |
| General fire hazards | Contact with skin and eyes may result in irritation. |
| Specific methods | None established. |

6. Accidental release measures

| | |
|----------------------------------|---|
| Personal precautions | Wear appropriate personal protective equipment. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| Spill cleanup methods | 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. |
| Other information | Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations. |

7. Handling and storage

| | |
|-----------------------------|---|
| Handling | |
| Precautions | Not available. |
| Safe handling advice | Avoid contact with skin, eyes and clothing. |
| Storage | |
| Technical measures | Keep out of the reach of children. Keep away from excessive heat or cold. |

| | |
|------------------------------------|----------------|
| Suitable storage conditions | Not available. |
| Incompatible materials | Not available. |

8. Exposure controls/personal protection

Exposure limits

No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Engineering measures Use in a well ventilated area.

Personal protective equipment

General Use personal protective equipment to minimize exposure to skin and eye.

Respiratory protection Not available.

Hand protection Not available.

Eye protection Not available.

Skin and body protection Not available.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Exposure guidelines Exposure limits have not been established for this product.

9. Physical and chemical properties

Appearance Fine powder

Physical state Solid.

Color White.

Odor Not available.

pH Not available.

Melting point/freezing point Not available.

Boiling point, initial boiling point, and boiling range Not available.

Flash point Not available.

Flammability (solid, gas) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Solubility(ies)

Solubility (water) Not available.

Decomposition temperature Not available.

Percent volatile 0 % estimated

10. Stability and reactivity

Stability Stable under recommended storage conditions.

Conditions to avoid None.

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.

Possibility of hazardous reactions Will not occur.

11. Toxicological information

Acute toxicity Harmful if swallowed.

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

Serious eye damage/eye irritation Causes serious eye damage.

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

Skin sensitizer 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. |
| Toxic to reproduction | 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. |
| 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. |

| Components | Species | Test Results |
|-----------------------------------|------------|----------------------|
| Sodium Bicarbonate (CAS 144-55-8) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | 4220 mg/kg |
| Sodium Carbonate (CAS 497-19-8) | | |
| Acute | | |
| <i>Inhalation</i> | | |
| LC50 | Guinea pig | 0.8 mg/l, 2 Hours |
| | Mouse | 1.2 mg/l, 2 Hours |
| | Rat | 2.3 mg/l, 2 Hours |
| <i>Oral</i> | | |
| LD50 | Rat | 4090 mg/kg |
| <i>Other</i> | | |
| LD50 | Mouse | 116.6 mg/kg, 30 Days |

12. Ecological information

Ecotoxicological data

| Components | Species | Test Results |
|--------------------------------------|----------------|---|
| Sodium Bicarbonate (CAS 144-55-8) | | |
| Aquatic | | |
| Fish | LC50 | Western mosquitofish (<i>Gambusia affinis</i>) 7550 mg/l, 96 hours |
| Sodium Carbonate (CAS 497-19-8) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Ceriodaphnia dubia</i>) 156.6 - 298.9 mg/l, 48 hours |
| Fish | LC50 | Bluegill (<i>Lepomis macrochirus</i>) 300 mg/l, 96 hours |
| Persistence and degradability | Not available. | |
| Bioaccumulation | Not available. | |
| Mobility in soil | Not available. | |
| Other hazardous effects | Not available. | |

13. Disposal considerations

| | |
|-----------------------------------|--|
| Local disposal regulations | Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. |
|-----------------------------------|--|

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**Applicable regulations****Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste**

Not listed.

GHS Classification List: GHS implementation phase 1 and 2 (CLA No. 0960145703, 0970146313, and 0990146707)

Sodium Percarbonate (CAS 15630-89-4)

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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

16. Other information**References**

Not available.

Issued by

HP Inc.

Prepared by

HP Chemical Compliance & Toxicology Department

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.

Issue date

03-Sep-2016

Version #

01

This data sheet contains changes from the previous version in section(s):

1. Product and Company Identification: Synonyms
Composition/Information on Ingredients
14. Transport Information: Material Transportation Information
15. Regulatory Information: United States
HazReg Data: International Inventories
GHS: Classification

Manufacturer information

HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112 US
Direct 1-650-857-5020

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 |



SAFETY DATA SHEET

1. Product and company identification

| | | |
|---|---|--|
| Product name | CQ712Series[B][2] | |
| Synonyms | HP Designjet 3D Support Removal Powder Kit B | |
| Recommended use and Limitations on use | | |
| Recommended use | Not available. | |
| Issue date | 03-Sep-2016 | |
| Version # | 01 | |
| Company identification | HP Taiwan Information Technology Ltd. 10F-2, No. 66 Jing Mao 2 Road Taipei, Taipei City, Taiwan 11568 Telephone 886-2-8722-9000 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

| | | |
|------------------------------|---------------------------|------------|
| Hazard classification | | |
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity (Oral) | Category 1 |
| | Skin corrosion/irritation | Category 3 |
| Environmental hazards | Not classified. | |

Label elements

Symbols



Signal word

Warning

Hazard statement

Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P264 - Wash hands thoroughly after handling.

Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice/attention.
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention.
 P362 - Take off contaminated clothing and wash before reuse.

Storage

None.

Disposal

None.

Other hazards

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.

3. Composition/information on ingredients

| | |
|-----------------------------|---------|
| Substance or mixture | Mixture |
|-----------------------------|---------|

| Components | CAS # | Percent |
|--|-------------|---------|
| Citric Acid | 77-92-9 | <50 |
| Tetrasodium N,n-bis(carboxylatomethyl)-l-glutamate | 051981-21-6 | <25 |

Composition comments This ink supply contains an aqueous ink formulation.

4. First aid measures

First aid measures for different exposure routes

| | |
|---|---|
| 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 and effects | Not available. |
| Personal protection for first-aid responders | Not available. |
| Notes to physician | Not available. |

5. Fire-fighting measures

| | |
|--|--|
| Flash point | Not available. |
| Extinguishing media | Dry chemical, CO2, water spray or regular foam. |
| Extinguishing media to avoid | None known. |
| Specific hazards during fire fighting | None known. |
| Special fire fighting procedures | None. |
| Protection of fire-fighters | None. |
| General fire hazards | Contact with skin and eyes may result in irritation. |
| Specific methods | None established. |

6. Accidental release measures

| | |
|----------------------------------|---|
| Personal precautions | Wear appropriate personal protective equipment. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| Spill cleanup methods | 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. |
| Other information | Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations. |

7. Handling and storage

Handling

| | |
|-----------------------------|---|
| Precautions | Not available. |
| Safe handling advice | Avoid contact with skin, eyes and clothing. |

Storage

| | |
|------------------------------------|---|
| Technical measures | Keep out of the reach of children. Keep away from excessive heat or cold. |
| Suitable storage conditions | Not available. |
| Incompatible materials | Not available. |

8. Exposure controls/personal protection

Exposure limits

No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Engineering measures Use in a well ventilated area.

Personal protective equipment

| | |
|---------------------------------|---|
| General | Use personal protective equipment to minimize exposure to skin and eye. |
| Respiratory protection | Not available. |
| Hand protection | Not available. |
| Eye protection | Not available. |
| Skin and body protection | Not available. |

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Exposure guidelines Exposure limits have not been established for this product.

9. Physical and chemical properties

| | |
|--|----------------|
| Appearance | Fine powder |
| Physical state | Solid. |
| Color | White. |
| Odor | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Boiling point, initial boiling point, and boiling range | Not available. |
| Flash point | Not available. |
| Flammability (solid, gas) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Decomposition temperature | Not available. |
| Percent volatile | 0 % estimated |

10. Stability and reactivity

| | |
|---|---|
| Stability | Stable under recommended storage conditions. |
| Conditions to avoid | None. |
| 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. |
| Possibility of hazardous reactions | Will not occur. |

11. Toxicological information

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Respiratory sensitizer | Based on available data, the classification criteria are not met. |
| Skin sensitizer | 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. |
| Toxic to reproduction | 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. |

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.

| Components | Species | Test Results |
|---------------------------|---------|--------------|
| Citric Acid (CAS 77-92-9) | | |
| Acute | | |
| <i>Intraperitoneal</i> | | |
| LD50 | Mouse | 903 mg/kg |
| | Rat | 290 mg/kg |
| <i>Oral</i> | | |
| LD50 | Mouse | 5040 mg/kg |
| | Rat | 3 mg/kg |
| <i>Other</i> | | |
| LD50 | Mouse | 42 mg/kg |
| | Rabbit | 330 mg/kg |
| | Rat | 883 mg/kg |

12. Ecological information

Persistence and degradability Not available.
Bioaccumulation Not available.
Mobility in soil Not available.
Other hazardous effects Not available.

13. Disposal considerations

Local disposal regulations Do not allow this material to drain into sewers/water supplies.
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

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

Applicable regulations

Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste

Not listed.

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.

16. Other information

References Not available.
Issued by HP Inc.
Prepared by HP Chemical Compliance & Toxicology Department

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Issue date

03-Sep-2016

Version #

01

This data sheet contains changes from the previous version in section(s):

1. Product and Company Identification: Synonyms
3. Composition / Information on Ingredients: Ingredients
14. Transport Information: Material Transportation Information
15. Regulatory Information: Safety Phrases
HazReg Data: Europe - EU
GHS: Classification

Manufacturer information

HP Inc.
1501 Page Mill Road
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Direct 1-650-857-5020

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 |