

Q2367Series[B][3]-MSDS_MALAYSIA-English-18.pdf

Q2367Series[C][3]-MSDS_MALAYSIA-English-30.pdf

Q2367Series[M][3]-MSDS_MALAYSIA-English-34.pdf



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation Q2367Series[B][3]
Issue date 17-Jun-2015
Revision date 23-Aug-2016
Version # 03
Recommended use Inkjet printing
Company identification HP PPS Malaysia Sdn. Bhd.
Ground Floor Customer Service, Block B, No.12
Jalan Gelenggang, HP Towers, Bukit Damansara
Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia 50490
Telephone 60-3-7953-3333

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

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
GHS label elements
Signal word None.
Hazard symbols None.
Hazard statement None.
Precautionary statement
Prevention None.
Response None.
Storage None.
Disposal None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent |
|-----------------|-------------|---------|
| Water | 7732-18-5 | 70-80 |
| Ethyl alkyldiol | Proprietary | < 15 |
| 2-pyrrolidone | 616-45-5 | < 7.5 |
| Black dye 1 | Proprietary | <5 |

Composition comments This ink supply contains an aqueous ink formulation.

4. FIRST AID MEASURES

Inhalation Move to fresh air. If symptoms persist, get medical attention.
Skin contact Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
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.

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Flash point | 200.0 °F (93.3 °C) Pensky-Martens Closed Cup |
| Suitable extinguishing media | CO ₂ , water, dry chemical, or foam |
| Extinguishing media which must not be used for safety reasons | None known. |
| Unusual fire & explosion hazards | None known. |
| Specific methods | None established. |
| Hazardous combustion products | Refer to section 10. |

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. |
| Methods for cleaning up | Soak up with inert absorbent material. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| Handling | Avoid contact with skin, eyes and clothing. |
| Storage | Keep out of the reach of children. Keep away from excessive heat or cold. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Recommended monitoring procedures | |
| Additional exposure data | Exposure limits have not been established for this product. |
| Engineering measures to reduce exposure | Use in a well ventilated area. |
| Personal protective equipment | |
| Skin and body protection | Not available. |
| General | Use personal protective equipment to minimize exposure to skin and eye. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance | |
| Physical state | Liquid. |
| Color | Black. |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 8.4 |
| Vapor pressure | Not determined |
| Boiling point | Not determined |
| Melting point/Freezing point | Not available. |
| Solubility (water) | Soluble in water |
| Specific gravity | Not available. |
| Flash point | 200.0 °F (93.3 °C) Pensky-Martens Closed Cup |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not determined |
| Auto-ignition temperature | Not available. |
| VOC | 91 g/l |
| Evaporation rate | Not determined |
| Viscosity | >= 2 cp |
| Other data | |
| Oxidizing properties | Not determined |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Not available. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | 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 | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | 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. |
| 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. |

Toxicological data

| Components | Species | Test Results |
|------------------------------|------------|--------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Guinea pig | 6500 mg/kg |
| | Rat | 6500 mg/kg |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------|---|
| Aquatic toxicity | Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% |
|-------------------------|---|

Ecotoxicological data

| Product | Species | Test Results |
|-----------------------------------|---------|--|
| Q2367Series[B][3] | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) < 400 mg/l, 96 hours |
| Components | | |
| Species | | |
| Test Results | | |
| 2-pyrrolidone (CAS 616-45-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 13.21 mg/l, 48 hours |
| Ethyl alkyldiol (CAS Proprietary) | | |
| Aquatic | | |
| Crustacea | EC50 | Daphnia 102, 48 Hours |
| Fish | LC50 | Fish 1000, 96 Hours |

| | |
|------------------------------|----------------|
| Environmental effects | Not available. |
|------------------------------|----------------|

Bioaccumulation

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

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

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.

16. OTHER INFORMATION

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.

Prepared by HP Chemical Compliance & Toxicology Department

Issue date 17-Jun-2015

Revision date 23-Aug-2016

Version # 03

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. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation Q2367Series[C][3]
Issue date 17-Jun-2015
Revision date 23-Aug-2016
Version # 03
Recommended use Inkjet printing
Company identification HP PPS Malaysia Sdn. Bhd.
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Email: hpcustomer.inquiries@hp.com

2. HAZARDS IDENTIFICATION

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
GHS label elements
Signal word None.
Hazard symbols None.
Hazard statement None.
Precautionary statement
Prevention None.
Response None.
Storage None.
Disposal None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent |
|----------------------|-------------|---------|
| Water | 7732-18-5 | 75-85 |
| Ethyl alkyldiol | Proprietary | < 15 |
| 2-pyrrolidone | 616-45-5 | < 7.5 |
| Alkyldiol ethoxylate | Proprietary | < 2.5 |
| Cyan colorant | Proprietary | < 2.5 |

Composition comments This ink supply contains an aqueous ink formulation.

4. FIRST AID MEASURES

Inhalation Move to fresh air. If symptoms persist, get medical attention.
Skin contact Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
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.

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Flash point | 200.0 °F (93.3 °C) Pensky-Martens Closed Cup |
| Suitable extinguishing media | CO ₂ , water, dry chemical, or foam |
| Extinguishing media which must not be used for safety reasons | None known. |
| Unusual fire & explosion hazards | None known. |
| Specific methods | None established. |
| Hazardous combustion products | Refer to section 10. |

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. |
| Methods for cleaning up | Soak up with inert absorbent material. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| Handling | Avoid contact with skin, eyes and clothing. |
| Storage | Keep out of the reach of children. Keep away from excessive heat or cold. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Recommended monitoring procedures | |
| Additional exposure data | Exposure limits have not been established for this product. |
| Engineering measures to reduce exposure | Use in a well ventilated area. |
| Personal protective equipment | |
| Skin and body protection | Not available. |
| General | Use personal protective equipment to minimize exposure to skin and eye. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance | |
| Physical state | Liquid. |
| Color | Light Cyan |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 7.8 - 8.3 |
| Vapor pressure | Not determined |
| Boiling point | Not determined |
| Melting point/Freezing point | Not available. |
| Solubility (water) | Soluble in water |
| Specific gravity | Not available. |
| Flash point | 200.0 °F (93.3 °C) Pensky-Martens Closed Cup |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not determined |
| Auto-ignition temperature | Not available. |
| VOC | < 90 g/l |
| Evaporation rate | Not determined |
| Other data | |
| Oxidizing properties | Not determined |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Not available. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | 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 | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | 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. |
| 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. |

Toxicological data

| Components | Species | Test Results |
|------------------------------|------------|--------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Guinea pig | 6500 mg/kg |
| | Rat | 6500 mg/kg |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------|---|
| Aquatic toxicity | Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% |
|-------------------------|---|

Ecotoxicological data

| Product | Species | Test Results |
|------------------------------|---------|---|
| Q2367Series[C][3] | | |
| Aquatic | | |
| Algae | EC50 | Algae > 100 mg/l, 72 hours |
| | NOEC | Algae 100 mg/l, 72 hr |
| Crustacea | EC50 | Daphnia > 100 mg/l, 48 hr |
| | NOEC | Daphnia 100 mg/l, 48 hr |
| <i>Acute</i> | | |
| Algae | EC50 | Algae > 100 mg/l, 72 hours |
| Crustacea | EC50 | Daphnia > 100 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) < 400 mg/l, 96 hours |
| Components | | |
| 2-pyrrolidone (CAS 616-45-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) 13.21 mg/l, 48 hours |

| Components | Species | | Test Results |
|--|----------------|---------|--|
| Cyan colorant (CAS Proprietary) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Daphnia | 50 - 100 mg/l, 48 Hours 102, 48 Hours |
| Fish | LC50 | Fish | 1000, 96 Hours |
| Environmental effects | Not available. | | |
| Bioaccumulation | | | |
| Bioaccumulative potential | | | |
| Octanol/water partition coefficient log Kow | | | |
| 2-pyrrolidone | | | -0.85 |

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 | 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

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

16. OTHER INFORMATION

| | |
|---------------------------------|---|
| 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. |
| Prepared by | HP Chemical Compliance & Toxicology Department |
| Issue date | 17-Jun-2015 |
| Revision date | 23-Aug-2016 |
| Version # | 03 |
| 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. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation Q2367Series[M][3]
Issue date 17-Jun-2015
Revision date 23-Aug-2016
Version # 03
Recommended use Inkjet printing
CAS # Mixture
Company identification HP PPS Malaysia Sdn. Bhd.
Ground Floor Customer Service, Block B, No.12
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(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. HAZARDS IDENTIFICATION

Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
GHS label elements
Signal word None.
Hazard symbols None.
Hazard statement None.
Precautionary statement
Prevention None.
Response None.
Storage None.
Disposal None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS # | Percent |
|----------------------|-------------|---------|
| Water | 7732-18-5 | 75-85 |
| Ethyl alkyldiol | Proprietary | < 15 |
| 2-pyrrolidone | 616-45-5 | < 7.5 |
| Alkyldiol ethoxylate | Proprietary | < 2.5 |
| Magenta Dye 2 | Proprietary | <1 |

Composition comments This ink supply contains an aqueous ink formulation.

4. FIRST AID MEASURES

Inhalation Move to fresh air. If symptoms persist, get medical attention.
Skin contact Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
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.

5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Flash point | 200.0 °F (93.3 °C) Pinsky-Martens Closed Cup |
| Suitable extinguishing media | CO ₂ , water, dry chemical, or foam |
| Extinguishing media which must not be used for safety reasons | None known. |
| Unusual fire & explosion hazards | None known. |
| Specific methods | None established. |
| Hazardous combustion products | Refer to section 10. |

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. |
| Methods for cleaning up | Soak up with inert absorbent material. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| Handling | Avoid contact with skin, eyes and clothing. |
| Storage | Keep out of the reach of children. Keep away from excessive heat or cold. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|---|
| Occupational exposure limits | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Recommended monitoring procedures | |
| Additional exposure data | Exposure limits have not been established for this product. |
| Engineering measures to reduce exposure | Use in a well ventilated area. |
| Personal protective equipment | |
| Skin and body protection | Not available. |
| General | Use personal protective equipment to minimize exposure to skin and eye. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Appearance | |
| Physical state | Liquid. |
| Color | Magenta |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 7.7 - 8.3 |
| Vapor pressure | Not available. |
| Boiling point | Not determined |
| Melting point/Freezing point | Not available. |
| Solubility (water) | Soluble in water |
| Specific gravity | Not available. |
| Flash point | 200.0 °F (93.3 °C) Pinsky-Martens Closed Cup |
| Flammability limits in air, upper, % by volume | Not available. |
| Flammability limits in air, lower, % by volume | Not determined |
| Auto-ignition temperature | Not available. |
| VOC | < 90 g/l |
| Evaporation rate | Not determined |
| Other data | |
| Oxidizing properties | Not determined |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Conditions to avoid | Not available. |
| Hazardous decomposition products | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Stability | Stable under recommended storage conditions. |
| Materials to avoid | Incompatible with strong bases and oxidizing agents. |
| Hazardous polymerization | Will not occur. |

11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Acute toxicity | Based on available data, the classification criteria are not met. |
| Skin corrosion/irritation | 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 | |
| Skin sensitization | Based on available data, the classification criteria are not met. |
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | 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. |
| 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. |

Toxicological data

| Components | Species | Test Results |
|------------------------------|------------|--------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Guinea pig | 6500 mg/kg |
| | Rat | 6500 mg/kg |

12. ECOLOGICAL INFORMATION

| | |
|-------------------------|---|
| Aquatic toxicity | Static acute toxicity (trout), survival (100 mg/L) = 100% Static acute toxicity (trout), survival (10 mg/L) = 100% |
|-------------------------|---|

Ecotoxicological data

| Product | Species | Test Results |
|-----------------------------------|---------|--|
| Q2367Series[M][3] (CAS Mixture) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Fish | LC50 | Fathead minnow (<i>Pimephales promelas</i>) < 400 mg/l, 96 hours |
| Components | | |
| Species | | |
| Test Results | | |
| 2-pyrrolidone (CAS 616-45-5) | | |
| Crustacea | EC50 | Water flea (<i>Daphnia pulex</i>) 13.21 mg/l, 48 hours |
| Ethyl alkyldiol (CAS Proprietary) | | |
| Crustacea | EC50 | Daphnia 102, 48 Hours |
| Fish | LC50 | Fish 1000, 96 Hours |
| Algae | IC50 | Algae 101, 72 Hours |
| Crustacea | EC50 | Daphnia 101, 48 Hours |
| Fish | LC50 | Fish 77, 96 Hours |

| | |
|------------------------------|----------------|
| Environmental effects | Not available. |
|------------------------------|----------------|

Bioaccumulation

Bioaccumulative potential

Octanol/water partition coefficient log Kow

2-pyrrolidone

-0.85

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

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

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

16. OTHER INFORMATION

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.

Prepared by

HP Chemical Compliance & Toxicology Department

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03

Manufacturer information

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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 |