



SAFETY DATA SHEET

Section 1: Identification of the chemical product and of the supplier

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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. *** | |
| Identification of the chemical product | 5185-2254 | |
| Recommended use of the chemical and restrictions on use | | |
| Recommended use | Inkjet printing. For use only in inkjet printing | |
| Recommended restrictions | None known. | |
| Manufacturer/Importer/Supplier/Distributor information | | |
| | HP Inc Chile Comercial Limitada Mariano Sanchez Fontecilla 310, Piso 13 Santiago, Chile 7550296 | |
| Telephone: | 56-2-333-0978 | |
| 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 | |

Section 2: Hazards identification

Classification according to GHS

| | | |
|------------------------------|---|-------------|
| Physical hazards | Not classified. | |
| Health hazards | Reproductive toxicity (fertility, the unborn child) | Category 1B |
| Environmental hazards | Not classified. | |

Label elements



| | | |
|--------------------------------|--|--|
| Signal word | Danger | |
| Hazard statement | May damage fertility or the unborn child. | |
| Precautionary statement | | |
| Prevention | Wear protective gloves/protective clothing/eye protection. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. | |
| Response | IF exposed or concerned: Get medical advice/attention. | |
| Storage | Store locked up. | |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. | |

Safety signs according to NCh1411/4



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|---------------------------------|---|
| Other hazards | 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 | 2-pyrrolidone: Specific Concentration Limits, Reproductive toxicity Category 1B, fertility or the unborn child 3%. Mixture classification threshold based on data related to developmental toxicity in animals. No adverse effects on sexual function or damage to fertility have been observed in an animal study. See Section 11. |

Section 3: Composition/information on ingredients

Mixture

Hazardous components

| Systematic chemical name | Common or generic name | Concentration range | CAS number |
|--------------------------|------------------------|---------------------|------------|
| 2-pyrrolidone | | <20 | 616-45-5 |

Non-hazardous components

| Systematic chemical name | Common or generic name | Concentration range | CAS number |
|--------------------------|------------------------|---------------------|-------------|
| Water | | 65-75 | 7732-18-5 |
| Substituted diol | | <10 | Proprietary |
| Pigment Blue | | <1 | Proprietary |

Section 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. |
| Expected acute effects | Not available. |
| Expected delayed effects | Not available. |
| Most important symptoms/effects | Not available. |
| Special notes for treating physician | Not available. |

Section 5: Fire-fighting measures

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|--|---|
| Extinguishing media | Dry chemical, CO2, water spray or regular foam. |
| Inappropriate extinguishing media | None known. |
| Products formed during combustion and thermal degradation | Refer to section 10. |
| Specific associated hazards | Not applicable. |
| Specific extinguishing methods | None established. |
| Precautions for emergency personnel and/or firefighters | Not available. |

Section 6: Accidental release measures

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| Personal precautions | Wear appropriate personal protective equipment. |
| Protective equipment | Not available. |
| Emergency procedures | Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| Methods and material for containment, confinement, and/or abatement | 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. |

Methods and materials for clean-up

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|-----------------------|---|
| Recovery | Soak up with inert absorbent material. |
| Neutralization | Not available. |
| Final disposal | Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. |

Additional measures for preventing disasters Not available.

Section 7: Handling and storage

Handling

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|---|--|
| Precautions for safe handling | Avoid contact with skin, eyes and clothing. |
| Operational and technical measures | Not available. |
| Other precautions | Not available. |
| Prevention of contact | Handle in accordance with good industrial hygiene and safety practice. |

Storage

| | |
|--|--|
| Conditions for safe storage | Not available. |
| Technical measures | Keep out of the reach of children. Keep away from excessive heat or cold. |
| Incompatible substances and mixtures | Not available. |
| Materials for containers and/or packaging | Not available. |

Section 8: Exposure controls/personal protection

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|--|---|
| Maximum permissible concentration | No exposure limits noted for ingredient(s). |
| Biological limit values | No biological exposure limits noted for the ingredient(s). |
| Exposure guidelines | Exposure limits have not been established for this product. |
| Individual protection measures, such as personal protective equipment | |
| Respiratory protection | Not available. |
| Hand protection | Not available. |
| Eye protection | Not available. |
| Skin and body protection | Use personal protective equipment to minimize exposure to skin and eye. |
| Engineering measures | Not available. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

Section 9: Physical and chemical properties

Appearance

| | |
|--|---|
| Physical state | Liquid. |
| Form | Not available. |
| Color | Light Cyan |
| Odor | Not available. |
| pH | 9 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | > 230.0 °F (> 110.0 °C) Pensky-Martens Closed Cup |
| Explosivity limits | Not available. |
| Vapor pressure | Not available. |
| Density | 1.00 g/cm ³ |
| Solubility(ies) | |
| Solubility (water) | Not available. |

| | |
|--|----------------|
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Odor threshold | Not available. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Viscosity | Not available. |

Section 10: Stability and reactivity

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|---|--|
| 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. |

Section 11: Toxicological information

Information on toxicological effects

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

| Components | Species | Test Results |
|------------------------------|---------|--------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg |

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. Not classified as an irritant according to, OECD 405.

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. Negative, does not indicate mutagenic potential (Ames Test: Salmonella typhimurium)

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

Reproductive toxicity May damage fertility or the unborn child.

2-pyrrolidone: This component showed developmental effects only at high doses that were toxic to pregnant test animals (OECD Testing Guideline 414: Prenatal Developmental Toxicity Study). Uptake by people of small doses is not expected to cause developmental toxicity. This component has not caused adverse effects on sexual function or damage to fertility in an animal study (OECD Testing Guideline 443: Extended One-Generation Reproductive Toxicity Study).

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.

Related symptoms Not available.

Section 12: Ecological information

Ecotoxicity No information available.

| Product | Species | Test Results |
|----------------|---|----------------------|
| 5185-2254 | | |
| Aquatic | | |
| Acute | | |
| Fish | LC50 Fathead minnow (Pimephales promelas) | > 750 mg/l, 96 hours |

| Components | Species | Test Results |
|--------------------------------------|----------------|----------------------------|
| 2-pyrrolidone (CAS 616-45-5) | | |
| Aquatic | | |
| Crustacea | EC50 | Water flea (Daphnia pulex) |
| | | 13.21 mg/l, 48 hours |
| Persistence and degradability | Not available. | |
| Bioaccumulative potential | Not available. | |
| Mobility in soil | Not available. | |

Section 13: Disposal considerations

| | |
|---|---|
| Remains/residues | Not available. |
| Contaminated container, packaging and contaminated materials | Not available. |
| 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. |

Section 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.

Section 15: Regulatory information

National regulations

Controlled chemical substances susceptible to manufacturing of narcotics and psychotropic drugs, Lists I, II, III (Decree 1358, published April 17, 2007)

Not listed.

Prohibited Substances (Reg. 594/1999, art. 65, as of Nov. 8, 2012)

Not listed.

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.

Section 16: Other information

Revision information

Section 2: Hazards identification: Supplemental information
Section 11: Toxicological information: Reproductivity

References

Not available.

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 |