



SAFETY DATA SHEET

1. Identification of the substance or mixture

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/name based on GHS C4912Series

Other means of identification Not available.

Recommended use of the chemical and restrictions on use

Recommended use Inkjet printing

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company identification PT. Hewlett-Packard Indonesia
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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

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2. Hazards identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

Label elements

Signal word None.

Hazard statement Not available.

Precautionary statement

Prevention Not available.

Response Not available.

Storage Not available.

Disposal Not available.

Pictograms (hazard symbols) None.

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.

Supplemental information None.

3. Composition / information on ingredients

Substance or mixture Mixture

Chemical property

| Chemical name | CAS Number | Concentration (%) |
|--------------------------|-------------|-------------------|
| Water | 7732-18-5 | 65-85 |
| Hydroxy alkylated lactam | Proprietary | <7.5 |
| succinic acid | 110-15-6 | < 7.5 |

| | CAS Number | Concentration (%) |
|-------------------------------|-------------------|--------------------------|
| Substituted xanthylum salt #1 | Proprietary | <2.5 |

Composition comments This ink supply contains an aqueous ink formulation.

4. First aid measures

Description of necessary 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. |
| Indication of immediate medical attention and special treatment needed | Not available. |

5. Fire-fighting measures

| | |
|--|--|
| Suitable extinguishing media | For small (incipient) fires, use media such as foam, sand, dry chemical, or carbon dioxide. For large fires use very large (flooding) quantities of water and/or foam, applied as a mist or spray. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | Not applicable. |
| Specific / special fire-fighting procedures | Not available. |
| Special protective equipment and precautions for firefighters | Not available. |
| Specific methods | None established. |

6. Accidental release (spill or leakage) measures

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Wear appropriate personal protective equipment. |
| Environmental precautions | Do not let product enter drains. Do not flush into surface water or sanitary sewer system. |
| 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. |

7. Handling and storage

Preventative measures for safe handling

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

Conditions for safe storage

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

8. Exposure controls/personal protection

| | |
|--|---|
| Control parameters | 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. |
| Appropriate engineering controls | Use in a well ventilated area. |
| Individual protection measures, such as personal protective equipment | |
| Respiratory protection | Not available. |

| | |
|---------------------------------------|--|
| Hand protection | Not available. |
| Eye/face protection | Not available. |
| Skin and body 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

Empirical data of the substance or mixture

Organoleptic properties (shape, color, etc.)

| | |
|---|---|
| Physical state | Liquid. |
| Form | Not available. |
| Color | Magenta |
| Odor | Not available. |
| Odor threshold | Not available. |
| pH | 3.8 - 4.2 |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not determined |
| Flash point | > 200.0 °F (> 93.3 °C) Setaflash 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 | Not available. |
| Solubility(ies) | |
| Solubility (water) | Soluble in water |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | >= 2 cp |
| Other information | |
| Oxidizing properties | Not determined |
| Percent volatile | 3.3 % estimated |
| VOC | 191.37 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

Complete and comprehensive description of the various toxicological / health effects

| | |
|-----------------------|---|
| 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. Non irritant in rabbit (OECD 404) |
| 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. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| 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. |

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 | Contact with skin may result in mild irritation. |
| Eye contact | Contact with eyes may result in mild irritation. |
| Ingestion | Health injuries are not known or expected under normal use. |

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Delayed and immediate effects and also chronic effects from short and long term exposure Not available.

Numerical measures of toxicity

| Components | Species | Test Results |
|-------------------------------|---------|----------------|
| Substituted xanthylum salt #1 | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | <= 10000 mg/kg |

Interactive effects Not available.

Mixture versus substance information Not available.

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.

12. Ecological information

Ecotoxicity

| Components | Species | Test Results |
|------------------------------|-----------|---------------|
| succinic acid (CAS 110-15-6) | | |
| Aquatic | | |
| Fish | LC50 Fish | 101, 96 Hours |

Persistence and degradability Not available.

Bioaccumulative potential

Octanol/water partition coefficient log Kow
succinic acid -0.59

Mobility in soil Not available.

Other adverse effects Not available.

Aquatic toxicity
Static acute toxicity (trout), survival (100 mg/L) = 100%
Static acute toxicity (trout), survival (10 mg/L) = 100%
LC50/96h/rainbow trout =100 mg/l
EC50/48h/daphnia => 100mg/l, OECD 202
EC50/72h/algae => 100 mg/l , OECD 201

13. Waste disposal

| | |
|--|---|
| Methods of disposal | Not available. |
| 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. 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 . |
| Waste from residues / unused products | Not available. |
| Contaminated packaging | Not available. |

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

Safety, health and environmental regulations specific for the product in question

CWC (Law of RI No. 9 of 2008 re: Prohibition on the Use of Chemicals as Chemical Weapon, March 10, 2008)

Not regulated.

Dangerous Substances that Must be Registered (Regulation of the Minister of Health of the Republic of Indonesia, No. 472/Menkes/Per/V/1996)

Not regulated.

Import and Distribution Control of Hazardous Materials (Minister of Trade Regulation No. 75/M-DAG/PER/10/2014, Annex I)

Not listed.

Precursor Chemicals (Ministry of Industry and Trade Decree No. 647/MPP/Kep/10/2004 concerning Regulation on Import of Precursors, Attachment 1, Oct. 18, 2004)

Not regulated.

Prohibited Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 1)

Not regulated.

Restricted Substances (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment II, Table 2)

Not regulated.

Toxic and Hazardous Materials List (Decree of the Ministry of Industry on the Safeguarding of Toxic and Hazardous Materials in Industrial Plants, No. 148/M/SK/4/1985)

Not regulated.

Hazardous Substances Approved for Use (Government Regulation No. 74 of 2001 regarding Management of Hazardous and Poisonous Substances, Attachment I)

Listed substances

Not regulated.

Listed substances / Allowed until 2040

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

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Version # 05

References and sources for data used to compile the SDS Not available.

Disclaimer

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Revision information 1. Product and Company Identification: Alternate Trade Names

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 |