




SAFETY DATA SHEET

1. Chemical product and company identification

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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. *** | |
| Product name | HP Indigo Imaging Agent for use with HP Indigo Digital Press 3000 series, 4000 series and 5000 series Q4301A | |
| Company identification | PT. Hewlett-Packard Indonesia 9th Floor, Jl.Casablanca Kav.88 Prudential Centre Jakarta, Indonesia 12870 | |
| Telephone | +62-21 5799-1088 | |
| 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 | |
| Recommended use and Limitations on use | | |
| Recommended use | HP product for use with HP Indigo Digital Presses 3000 series, 4000 series, 5000 series. | |

2. Hazards identification

| | | |
|-------------------------------------|---|------------|
| GHS classification | | |
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity, oral | Category 4 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2 |
| | Aspiration hazard | Category 1 |
| Environmental hazards | Not classified. | |
| Label elements | | |
| Pictogram |  | |
| Signal word | Danger | |
| Hazard statement | Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. | |
| Precautionary statement | | |
| Prevention | Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. | |
| Response | If swallowed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. | |
| Storage | Store locked up. | |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. | |
| GHS Other hazards | None known. | |
| GHS Supplemental information | None. | |

3. Composition / information on ingredients

| | | | |
|-----------------------------|---------|-------------------|--------------------------|
| Substance or mixture | Mixture | | |
| Chemical property | | | |
| Chemical name | | CAS Number | Concentration (%) |
| Petroleum hydrocarbon | | 90622-58-5 | <90 |
| Barium Sulfonate | | 61790-48-5 | <10 |
| Alkyd aryl sulfonate | | 26264-05-1 | <5 |

4. First aid measures

First aid measures for different exposure routes

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| Inhalation | If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention. |
| Skin contact | Wash affected areas thoroughly with mild soap and water. Immediately take off all contaminated clothing. Wash clothing separately before reuse. Get medical attention if irritation develops or persists. |
| Eye contact | Do not rub eyes. Flush eyes immediately with large amounts of water. If irritation persists get medical attention. Do not apply neutralizing agents. |
| Ingestion | Do not induce vomiting. Never give anything by mouth to an unconscious person. 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

| | |
|---|---|
| Extinguishing media | Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam. |
| Extinguishing media to avoid | None known. |
| Specific hazards | Refer to section 10. |
| Special fire fighting procedures | Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance. |
| Protection of fire-fighters | Not specified. |
| Specific methods | Move container from fire area if it can be done without risk. Evacuate area and fight fire from a safe distance. |

6. Accidental release measures

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|----------------------------------|---|
| 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 clean-up methods | In case of large spills, follow all facility emergency response 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. |

7. Handling and storage

| | |
|--------------------------------------|---|
| Handling | |
| Technical measures | Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin. |
| Local and general ventilation | Provide good ventilation. |
| Precautions | Take precautionary measures against static discharges. Do not re-use empty containers. Keep away from heat, sparks and open flame. |
| Safe handling advice | Avoid prolonged or repeated skin contact with this material. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Do not reuse the empty container. Take precautionary measures against static discharges. |
| Storage | |
| Technical measures | Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight. |

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|------------------------------------|--|
| Suitable storage conditions | Store in accordance with local/regional/national/international regulation. Store in a cool, dry place out of direct sunlight. Protect against direct sunlight. |
| Incompatible materials | Not available. |

8. Exposure controls/personal protection

Occupational exposure limits

| ACGIH Components | Type | Value |
|-----------------------------------|------|-----------------------|
| Barium Sulfonate (CAS 61790-48-5) | STEL | 10 mg/m ³ |
| | TWA | 0.5 mg/m ³ |

Exposure guidelines Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 80%. TWA = 171ppm (1200 mg/m³).

Engineering measures Use in a well ventilated area.

Personal protective equipment

| | |
|---------------------------------|----------------------------|
| Respiratory protection | Not available. |
| Hand protection | Not available. |
| Eye protection | Not available. |
| Skin and body protection | Chemical resistant gloves. |

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment to minimize exposure to skin and eye.

9. Physical and chemical properties

| | |
|--|---|
| Appearance | clear liquid |
| Physical state | Liquid. |
| Form | Not available. |
| Color | Light yellow. |
| Odor | mild hydrocarbon-like |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Boiling point, initial boiling point, and boiling range | 370.4 °F (188 °C) (based on petroleum hydrocarbon) |
| Flash point | 147.2 °F (64.0 °C) Pensky-Martens Closed Cup (based on Petroleum Hydrocarbon) |
| Auto-ignition temperature | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Evaporation rate | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not soluble |
| Partition coefficient (n-octanol/water) | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other data | |
| Oxidizing properties | Not applicable. |
| Specific gravity | 0.8 |
| VOC | 655 g/L (5.47 lbs/gal. US) (Calculated) |

10. Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | Not available. |
| Stability | Stable under recommended storage conditions. |
| Conditions to avoid | None. |
| Incompatible materials | This product may react with strong oxidizing agents. |
| Hazardous decomposition products | Upon decomposition, this product emits 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.

| Components | Species | Test Results |
|-----------------------------------|---------|---------------|
| Barium Sulfonate (CAS 61790-48-5) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | >= 2000 mg/kg |

Routes of exposure Not available.

Symptoms Not available.

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Not classified.

Toxic to reproduction Not classified.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard May be harmful if swallowed and enters airways.

Chronic effects Not available.

Interactive effects Not available.

Other information This ink formulation has not been tested for toxicological effects.

12. Ecological information

Ecotoxicity Information given is based on data on the components and the ecotoxicology of similar products. This material is not expected to be harmful to aquatic life.

Persistence and degradability Expected to be ultimately biodegradable

Bioaccumulation Not available.

Mobility in soil Not available.

Other hazardous effects Not available.

13. Disposal considerations

Disposal methods/information Not available.

Contaminated packaging Do not re-use empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Local disposal regulations Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies.

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.

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

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.

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.

Applicable regulations

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.

16. Other information

Issued by

Company name HP Inc.

Disclaimer

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References and sources for data used to compile the SDS

Not available.

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 |