



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

**Product name** 40-5102

**Recommended use of the chemical and restrictions on use**

**Intended use** Inkjet printing

**Company identification** Hewlett-Packard Japan, Ltd.  
2-2-1 Ojima, Koto-ku, Tokyo, 136-8711 Japan  
Telephone (+81) 3 5628-1101

Hewlett-Packard health effects line  
(Toll-free within the US) 1-800-457-4209  
(Direct) 1-503-494-7199  
HP Customer Care Line  
(Toll-free within the US) 1-800-474-6836  
(Direct) 1-208-323-2551  
Email: hpcustomer.inquiries@hp.com  
Poison Information Centre 0120-50-3024

## 2. Hazards identification

**Classification** Xn;R65, R66

**Physical hazards** Not classified as a physical hazard.

**Health hazards** Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

**Environmental hazards** Not classified as an environmental hazard.

**Other hazards** Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

| Components           | CAS #       | Percent |
|----------------------|-------------|---------|
| Solvents             | Proprietary | <90     |
| Pigments and/or Dyes | Proprietary | <10     |
| Polymer              | Proprietary | <10     |
| Surfactants          | Proprietary | <2.5    |

**Composition comments** Carbon black is present only in a bound form in this preparation.

## 4. First aid measures

**If inhaled** Move person to fresh air immediately. If breathing stops, provide artificial respiration. Call a physician or Poison Control Center immediately.

**If on skin** For skin contact flush with large amounts of water while removing contaminated clothing.

**If in eyes** Flush eyes immediately with large amounts of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub eyes. Get medical attention if irritation persists after washing.

**If swallowed** If swallowed, do NOT induce vomiting. Get medical attention immediately.

**Most important symptoms and effects** No data available

## 5. Fire-fighting measures

**Flash point** Not available.

**Extinguishing media** Foam (preferred), dry chemical, water.

**Extinguishing media to avoid** None.

**Special fire fighting procedures** Do not get water inside container.

**Protection of fire-fighters** No data available.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency measures** Not available.

**Environmental precautions** Prevent further leakage or spillage.

**Clean-up methods and materials and containment measures** Contain spilled liquid with sand or earth. Prevent entry into waterways, sewers, basements or confined areas.

## 7. Handling and storage

### Handling

**Technical measures** Wear personal protective equipment.

**Local and general ventilation** Use with adequate ventilation.

**Precautions** Not available.

**Safe handling advice** Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors or mists of this product.

### Storage

**Technical measures** Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Suitable storage conditions** Not available.

**Incompatible products** No data.

**Safe packaging materials** Not available.

## 8. Exposure controls/personal protection

### Recommended monitoring procedures

**Additional exposure data** Not available.

**Engineering measures** Use in a well ventilated area.

### Personal protective equipment

**Respiratory protection** A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Hand protection** Wear appropriate chemical resistant gloves.

**Eye protection** Wear safety glasses with side shields.

**Skin and body protection** long sleeved clothing

## 9. Physical and chemical properties

### Appearance

**Physical state** Not available.

**Form** Liquid.

**Color** Not available.

**Odor** Not available.

**Odor threshold** No information available.

**pH** Not available.

**Melting point/Freezing point** Not available.

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

**Flash point** Not available.

**Auto-ignition temperature** 473 °F (245 °C)

|  |                      |
|--|----------------------|
| <b>Flammability limit - lower (%)</b>          | Not available.       |
| <b>Flammability limit - upper (%)</b>          | Not available.       |
| <b>Vapor pressure</b>                          | 0.4 mm Hg @ 40 Deg C |
| <b>Specific gravity</b>                        | 0.88                 |
| <b>Solubility</b>                              | Nearly Soluble       |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.       |
| <b>Decomposition temperature</b>               | Not available.       |
| <b>Other data</b>                              |                      |
| <b>VOC (Weight %)</b>                          | < 1000 g/L           |

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## 10. Stability and reactivity

|   |                          |
|---|--------------------------|
| <b>Stability</b>                          | Stable.                  |
| <b>Possibility of hazardous reactions</b> | Will not occur.          |
| <b>Conditions to avoid</b>                | None.                    |
| <b>Incompatible materials</b>             | Strong oxidizing agents. |
| <b>Hazardous decomposition products</b>   | None known.              |

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## 11. Toxicological information

|   |   |
|---|---|
| <b>General information</b>                                | Not available.  |
| <b>Information on likely routes of exposure</b>           |   |
| <b>Ingestion</b>  | Not available.  |
| <b>Inhalation</b>   | Not available.  |
| <b>Skin contact</b>                                       | Not available.  |
| <b>Eye contact</b>  | Not available.  |
| <b>Symptoms</b>   | Not available.  |
| <b>Acute toxicity</b>                                     | No data available.  |
| <b>Carcinogenicity</b>                                    | Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint. Carbon black is present only in a bound form in this preparation. |
| <b>Specific target organ toxicity - single exposure</b>   | No data available.  |
| <b>Specific target organ toxicity - repeated exposure</b> | No data available   |
| <b>Other information</b>                                  | Complete toxicity data are not available for this specific formulation  |

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## 12. Ecological information

|                         |                    |
|-------------------------|--------------------|
| <b>Ecotoxicity</b>      | No data available. |
| <b>Mobility in soil</b> | No data available. |

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## 13. Disposal considerations

|                                   |  |
|-----------------------------------|--|
| <b>Contaminated packaging</b>     | No special precautions.  |
| <b>Local disposal regulations</b> | Do not dispose of together with general office waste.<br>Do not allow this material to drain into sewers/water supplies.<br>Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.<br>Ensure collection and disposal with an appropriately licensed waste contractor. |

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## 14. Transport information

### International regulations

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Emergency Response Guide Number** 128**ADR**

Not regulated as dangerous goods.

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**15. Regulatory information****Industrial Safety and Health Act****Specified substances regulation****Class 1 designated chemical substances**

Not regulated.

**Class 2 designated chemical substances**

Not regulated.

**Class 3 designated chemical substances**

Not regulated.

**Organic solvent regulation****Class 1 organic solvents**

Not regulated.

**Class 2 organic solvents**

Not regulated.

**Class 3 organic solvents**

Not regulated.

**Notifiable substances**

Not regulated.

**Labeling substances**

Not regulated.

**Poisonous and Deleterious Substances Control Act****Specified poisonous substances**

Not regulated.

**Poisonous substances**

Not regulated.

**Deleterious substances**

Not regulated.

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.****Class I specified chemical substances**

Not regulated.

**Class II specified chemical substances**

Not regulated.

**Monitoring chemical substances**

Not regulated.

**Priority Assessment Chemical Substances (PACs)**

Not regulated.

**Reporting Exempted Substances**

Not regulated.

**Law concerning Pollutant Release and Transfer Register****Specified class 1 substances (substance name, ordinance number and content)**

Not regulated.

**Class 1 substances (substance name, ordinance number and content)**

Not regulated.

**Class 2 substances (substance name, ordinance number and content)**

Not regulated.

**Fire Service Act**

Class 4 Group 2 oils (Non-water soluble) Hazard rank III

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule**

Not regulated.

**Air Law, Enforcement Rule**

Not regulated.

**Explosives Control Act**

Not regulated.

**High Pressure Gas Safety Act**

Not regulated.

**Act on Prevention of Marine Pollution and Maritime Disaster**

Not regulated.

**Waste Management and Public Cleansing Act**

Not regulated.

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**16. Other information**

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|---------------------------------|---|
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**Explanation of abbreviations**

|               |   |
|---------------|---|
| <b>ACGIH</b>  | American Conference of Governmental Industrial Hygienists           |
| <b>CAS</b>    | Chemical Abstracts Service  |
| <b>CERCLA</b> | Comprehensive Environmental Response Compensation and Liability Act |
| <b>CFR</b>    | Code of Federal Regulations   |
| <b>COC</b>    | Cleveland Open Cup  |
| <b>DOT</b>    | Department of Transportation  |
| <b>EPCRA</b>  | Emergency Planning and Community Right-to-Know Act (aka SARA)       |
| <b>IARC</b>   | International Agency for Research on Cancer                         |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health               |
| <b>NTP</b>    | National Toxicology Program   |
| <b>OSHA</b>   | Occupational Safety and Health Administration                       |
| <b>PEL</b>    | Permissible Exposure Limit  |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                              |
| <b>REC</b>    | Recommended   |
| <b>REL</b>    | Recommended Exposure Limit  |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act of 1986                |
| <b>STEL</b>   | Short-Term Exposure Limit   |
| <b>TCLP</b>   | Toxicity Characteristics Leaching Procedure                         |
| <b>TLV</b>    | Threshold Limit Value   |
| <b>TSCA</b>   | Toxic Substances Control Act  |
| <b>VOC</b>    | Volatile Organic Compounds  |