



## 1. Chemical and company identification

**Name of chemical (Product name)** CP780B

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

**Intended use** Inkjet printing

**Synonym(s)** HP HDR240 Black Scitex Ink

**Company identification** HP Japan Inc.  
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**Version number** 07

## 2. Hazards identification

### GHS classification

**Physical hazards** The product is not classified according to GHS.

**Health hazards**

|   |   |
|---|---|
| Skin corrosion/irritation                         | Category 2                              |
| Serious eye damage/eye irritation                 | Category 1                              |
| Sensitization, skin                               | Category 1                              |
| Reproductive toxicity                             | Category 2                              |
| Specific target organ toxicity, single exposure   | Category 3 respiratory tract irritation |
| Specific target organ toxicity, repeated exposure | Category 1                              |

**Environmental hazards** Hazardous to the aquatic environment, long-term hazard Category 2

### GHS label elements

#### Symbols



#### Signal words

Danger

#### Hazard statement

Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of damaging fertility. May cause respiratory irritation. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

### Precautionary statement

#### Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P202 - Do not handle until all safety precautions have been read and understood.  
P201 - Obtain special instructions before use.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.

**Response**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308 + P313 - IF exposed or concerned: Get medical attention/advice.  
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.  
P391 - Collect spillage.  
P362 - Take off contaminated clothing and wash before reuse.

**Storage**

P405 - Store locked up.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards**

Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

Carbon black is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). Carbon black in this preparation, due to its bound form, does not present this carcinogenic risk. None of the components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

### 3. Composition/information on ingredients

| Substance or mixture                             | Mixture |             |         |
|--|---------|-------------|---------|
| Components                                       |         | CAS #       | Percent |
| Acrylic acid ester                               |         | 48145-04-6  | <30     |
| Acrylate ester                                   |         | 5888-33-5   | <25     |
| Vinyl caprolactam (VCAP)                         |         | 2235-00-9   | <20     |
| Carbon black                                     |         | 1333-86-4   | <5      |
| Diphenyl (2,4,6 - trimethylbenzoyl) phosphine    |         | 75980-60-8  | <5      |
| Octyl decyl acrylate                             |         | Proprietary | <5      |
| Urethane acrylate oligomer A                     |         | Proprietary | <5      |
| Urethane acrylate oligomer B                     |         | Proprietary | <5      |
| Acrylated oligoamine resin                       |         | Proprietary | <2.5    |
| Glycerol, propoxylated, esters with acrylic acid |         | 52408-84-1  | <1      |

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

### 4. First aid measures

**If inhaled** Move to fresh air. If symptoms persist, get medical attention.

**If on skin** Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.

**If in eyes** 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.

**If swallowed** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.

### 5. Fire-fighting measures

**Flash point** 240.8 °F (116.0 °C) Closed Cup

**Extinguishing media** Dry powder. Carbon dioxide (CO2). Water may be ineffective.

**Extinguishing media to avoid** Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

**Special fire fighting procedures** Avoid runoff into storm sewers and ditches which lead to waterways.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency measures** Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

**Environmental precautions** Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.

**Methods or materials for containment and cleaning up** Not available.

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## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation)** Not available.

**Local and general ventilation** Not available.

**Precautions** Not available.

**Safe handling advice** Avoid contact with skin, eyes and clothing.

### Storage

**Technical measures** Do not handle or store near an open flame, heat or other sources of ignition. Keep away from excessive heat or cold. Do not store in direct sunlight. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage.

**Safe storage conditions** Not available.

**Safe packaging materials** Not available.

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## 8. Exposure controls/personal protection

### Occupational exposure limits

#### Japan. OELs - JSOH (Japan Society of Occupational Health: Recommendation of Occupational Exposure Limits)

| Components                   | Type | Value               | Form             |
|------------------------------|------|---------------------|------------------|
| Carbon black (CAS 1333-86-4) | TWA  | 4 mg/m <sup>3</sup> | Total dust.      |
|                              |      | 1 mg/m <sup>3</sup> | Respirable dust. |

#### US. ACGIH Threshold Limit Values

| Components                   | Type | Value               | Form                |
|------------------------------|------|---------------------|---------------------|
| Carbon black (CAS 1333-86-4) | TWA  | 3 mg/m <sup>3</sup> | Inhalable fraction. |

### Recommended monitoring procedures

**Additional exposure data** Exposure limits have not been established for this product.

**Exposure guidelines** Exposure limits have not been established for this product.

### Personal protective equipment

**Respiratory protection** Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

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

**Eye protection** Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.

**Skin and body protection** Wear appropriate chemical resistant clothing.

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## 9. Physical and chemical properties

### Appearance

**Physical state** Liquid.

**Color** Black.

**Odor** Characteristic.

**pH** Not available.

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

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

**Flash point** 240.8 °F (116.0 °C) Closed Cup

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Explosive limit - lower (%)** Not available.

|  |                                |
|--|--------------------------------|
| <b>Explosive limit - upper (%)</b>             | Not available.                 |
| <b>Vapor pressure</b>                          | Not available.                 |
| <b>Solubility(ies)</b>                         | Not available.                 |
| <b>Partition coefficient (n-octanol/water)</b> | Not available.                 |
| <b>Auto-ignition temperature</b>               | Not available.                 |
| <b>Decomposition temperature</b>               | Not available.                 |
| <b>Viscosity (Coefficient of viscosity)</b>    | Not available.                 |
| <b>Other information</b>                       |                                |
| <b>VOC (Weight %)</b>                          | 19 g/L Method 24/ASTM D5403-93 |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not available.  |
| <b>Chemical stability</b>                 | Stable under normal storage conditions.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization can occur with decreased inhibitor content.  |
| <b>Conditions to avoid</b>                | Exposure to sunlight.   |
| <b>Incompatible materials</b>             | Incompatible with strong bases and oxidizing agents. alkaline metals  |
| <b>Hazardous decomposition products</b>   | Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |

## 11. Toxicological information

|   |  |                     |
|---|--|---------------------|
| <b>General information</b>                                    | Not available.   |                     |
| <b>Acute toxicity</b>   | Based on available data, the classification criteria are not met.  |                     |
| <b>Components</b>   | <b>Species</b>   | <b>Test Results</b> |
| Carbon black (CAS 1333-86-4)                                  |  |                     |
| <b>Acute</b>  |  |                     |
| <i>Oral</i>   |  |                     |
| LD50  | Rat  | > 8000 mg/kg        |
| <b>Skin corrosion/irritation</b>                              | Causes skin irritation.  |                     |
| <b>Serious eye damage/eye irritation</b>                      | Causes serious eye damage.   |                     |
| <b>Respiratory sensitizer</b>                                 | Based on available data, the classification criteria are not met.  |                     |
| <b>Skin sensitizer</b>  | May cause sensitization by skin contact.   |                     |
| <b>Germ cell mutagenicity</b>                                 | Based on available data, the classification criteria are not met.  |                     |
| <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. Based on available data, the classification criteria are not met |                     |
| <b>ACGIH Carcinogens</b>                                      |  |                     |
| Carbon black (CAS 1333-86-4)                                  | A3 Confirmed animal carcinogen with unknown relevance to humans.   |                     |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b> |  |                     |
| Carbon black (CAS 1333-86-4)                                  | 2B Possibly carcinogenic to humans.  |                     |
| <b>Japan Society for Occupational Health: Carcinogen</b>      |  |                     |
| CARBON BLACK (CAS 1333-86-4)                                  | 2B Possibly carcinogenic to humans.  |                     |
| <b>Toxic to reproduction</b>                                  | Suspected of damaging fertility.   |                     |
| <b>Specific target organ toxicity - single exposure</b>       | May cause irritation to the respiratory system.  |                     |
| <b>Specific target organ toxicity - repeated exposure</b>     | Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.  |                     |
| <b>Aspiration hazard</b>                                      | Based on available data, the classification criteria are not met.  |                     |
| <b>Other information</b>                                      | Complete toxicity data are not available for this specific formulation   |                     |

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## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Aquatic toxicity</b>              | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects. |
| <b>Persistence and degradability</b> | Not available.   |
| <b>Bioaccumulation</b>               | Not available.   |
| <b>Mobility in soil</b>              | Not available.   |
| <b>Hazardous to the ozone layer</b>  | Not available.   |

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## 13. Disposal considerations

|                                   |  |
|-----------------------------------|--|
| <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

#### DOT

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates) |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packaging group</b>              | III   |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>Special precautions for user</b> | Not available.  |

**DOT supplemental information** DOT Classification only applies to shipments within the US and Puerto Rico.

#### IATA

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates) |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        | Yes   |
| <b>Special precautions for user</b> | Not available.  |

#### IMDG

|                                     |   |
|-------------------------------------|---|
| <b>UN number</b>                    | UN3082  |
| <b>UN proper shipping name</b>      | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates), MARINE POLLUTANT |
| <b>Transport hazard class(es)</b>   |   |
| <b>Class</b>                        | 9   |
| <b>Subsidiary risk</b>              | -   |
| <b>Packing group</b>                | III   |
| <b>Environmental hazards</b>        |   |
| <b>Marine pollutant</b>             | Yes   |
| <b>EmS</b>                          | F-A, S-F  |
| <b>Special precautions for user</b> | Not available.  |

#### ADR

##### Basic shipping requirements:

|                             |   |
|-----------------------------|---|
| <b>Proper shipping name</b> | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates) |
| <b>Hazard class</b>         | 9   |
| <b>UN number</b>            | 3082  |
| <b>Packing group</b>        | III   |
| <b>Marine pollutant</b>     | Yes   |

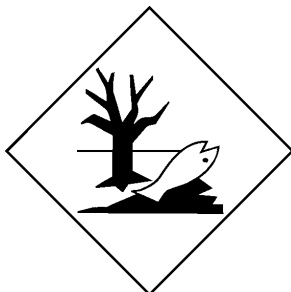
**Emergency Response Guide Number** 171

DOT; IATA; IMDG



ADR

Marine pollutant



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## 15. Regulatory information

### 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.

### Industrial Safety and Health Act

#### Notifiable substances

CARBON BLACK

0 - 2.5 %

#### Labeling 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.

|   |  |
|---|--|
| <b>Fire Service Act</b>   | Class 4 Group 3 oils (Non-water soluble) Hazard rank III   |
| <b>Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule</b> | Miscellaneous dangerous substances   |
| <b>Air Law, Enforcement Rule</b>  | Miscellaneous dangerous goods  |
| <b>Explosives Control Act</b><br>Not regulated.                           |  |
| <b>Regulatory information</b>   | 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

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.

**This data sheet contains changes from the previous version in section(s):** Other information: Disclaimer

|                                 |  |
|---------------------------------|--|
| <b>Issue date</b>               | 30-Oct-2013  |
| <b>Revision date</b>            | 03-Aug-2015  |
| <b>Version number</b>           | 07   |
| <b>Manufacturer information</b> | HP<br>1501 Page Mill Road<br>Palo Alto, California 94304-1112 US<br>(Direct) +972 (9) 892-4628 |

### 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  |