



# SAFETY DATA SHEET

## 1. Identification

**GHS product identifier** CH878Series  
**Other means of identification**  
**Synonyms** HP FB210 Specialty Flexible Black Scitex Ink  
**Recommended use** Inkjet printing  
**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

HP South Africa Ltd  
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Rivonia, Sandton 2128  
South Africa

**Telephone** +27-11-785-1000

### 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

## 2. Hazard(s) identification

**Physical hazards** Not classified.  
**Health hazards** Serious eye damage/eye irritation Category 2A  
Sensitization, skin Category 1  
Reproductive toxicity Category 1B  
Specific target organ toxicity, repeated exposure Category 1  
**Environmental hazards** Hazardous to the aquatic environment, long-term hazard Category 2

### Label elements



**Signal word** Danger

**Hazard statement** May cause an allergic skin reaction. Causes serious eye irritation. May damage fertility. May damage the unborn child. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

### Precautionary statement

**Prevention** Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid release to the environment.

**Response** 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 or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical attention/advice. Get medical attention/advice if you feel unwell. Collect spillage. Wash contaminated clothing before reuse.

**Storage** Store locked up.

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

**Other hazards which do not result in classification**

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 other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, 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.

**Supplemental information**

None.

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**3. Composition/information on ingredients****Mixtures**

| <b>Hazardous components</b>                 |                                 |                   |          |
|---|---------------------------------|-------------------|----------|
| <b>Chemical name</b>                        | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
| Acrylic acid ester                          |                                 | Proprietary       | <40      |
| Vinylcaprolactam                            |                                 | Proprietary       | <25      |
| Acrylate ester 5                            |                                 | Proprietary       | <20      |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine |                                 | Proprietary       | <7.5     |
| Difunctional acrylic monomer                |                                 | Proprietary       | <5       |
| Propiophenone derivative                    |                                 | Proprietary       | <2.5     |
| <b>Non-hazardous components</b>             |                                 |                   |          |
| <b>Chemical name</b>                        | <b>Common name and synonyms</b> | <b>CAS number</b> | <b>%</b> |
| Polyether acrylate                          |                                 | Proprietary       | <7.5     |
| Carbon black                                |                                 | 1333-86-4         | <2.5     |

**Composition comments**

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

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**4. First-aid measures****Inhalation**

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

**Skin contact**

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

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

**Most important symptoms/effects, acute and delayed**

Not available.

**Indication of immediate medical attention and special treatment needed**

Not available.

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**5. Fire-fighting measures****Suitable extinguishing media**

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

**Unsuitable extinguishing media**

Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

None known.

**Special protective equipment and precautions for firefighters**

Not available.

**Fire fighting equipment/instructions**

Avoid runoff into storm sewers and ditches which lead to waterways.

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**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

**Methods and materials for containment and cleaning up**

Not available.

**Environmental precautions**

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

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## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with skin, eyes and clothing.   |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Opaque, high density polyethylene (HDPE) containers are recommended for shipping and storage. |

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## 8. Exposure controls/personal protection

### Occupational exposure limits

**South Africa. Recommended Exposure Limits (RELs) Regulations for Hazardous Chemical Substances, Table 2**

| Components                   | Type | Value                 |
|------------------------------|------|-----------------------|
| Carbon black (CAS 1333-86-4) | STEL | 7 mg/m <sup>3</sup>   |
|                              | TWA  | 3.5 mg/m <sup>3</sup> |

|  |  |
|--|--|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Exposure guidelines</b>   | Exposure limits have not been established for this product.  |
| <b>Appropriate engineering controls</b>                                      | Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.   |
| <b>Individual protection measures, such as personal protective equipment</b> |  |
| <b>Eye/face protection</b>   | Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.   |
| <b>Skin protection</b>   |  |
| <b>Hand protection</b>   | Recommended gloves: Nitrile 6 mil minimum thickness. Wear appropriate chemical resistant gloves.   |
| <b>Other</b>   | Wear appropriate chemical resistant clothing.  |
| <b>Respiratory protection</b>  | Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.   |
| <b>Thermal hazards</b>   | Not available.   |
| <b>General hygiene considerations</b>  | Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink. |

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## 9. Physical and chemical properties

### Appearance

|   |  |
|---|--|
| <b>Physical state</b>                               | Liquid.  |
| <b>Form</b>   | Liquid.  |
| <b>Color</b>  | Black.   |
| <b>Odor</b>   | Characteristic.                                    |
| <b>Odor threshold</b>                               | Not available.                                     |
| <b>pH</b>   | Not applicable.                                    |
| <b>Melting point/freezing point</b>                 | Not determined.                                    |
| <b>Initial boiling point and boiling range</b>      | Not determined.                                    |
| <b>Flash point</b>                                  | > 212.0 °F (> 100.0 °C) Closed Cup EPA Method 1020 |
| <b>Evaporation rate</b>                             | Not determined.                                    |
| <b>Flammability (solid, gas)</b>                    | Not available.                                     |
| <b>Upper/lower flammability or explosive limits</b> |  |
| <b>Flammability limit - lower (%)</b>               | Not available.                                     |
| <b>Flammability limit - upper (%)</b>               | Not available.                                     |
| <b>Explosive limit - lower (%)</b>                  | Not available.                                     |
| <b>Explosive limit - upper (%)</b>                  | Not available.                                     |
| <b>Vapor pressure</b>                               | Not determined.                                    |
| <b>Vapor density</b>                                | Not available.                                     |
| <b>Solubility(ies)</b>                              |  |
| <b>Solubility (water)</b>                           | Not available.                                     |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                                     |

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|                           |                                  |
|---------------------------|----------------------------------|
| Auto-ignition temperature | Not available.                   |
| Decomposition temperature | Not available.                   |
| Viscosity                 | Not available.                   |
| Other information         |                                  |
| VOC                       | < 95 g/L Method 24/ASTM D5409-93 |

## 10. Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Chemical stability                 | Stable under normal storage conditions.   |
| Possibility of hazardous reactions | Hazardous polymerization can occur with decreased inhibitor content.  |
| Conditions to avoid                | Exposure to sunlight.   |
| Incompatible materials             | Incompatible with strong bases and oxidizing agents. alkaline metals.   |
| 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

### Information on likely routes of exposure

|              |   |
|--------------|---|
| Inhalation   | Inhalation may result in mild irritation to the respiratory system. |
| Skin contact | May cause sensitization by skin contact.                            |
| Eye contact  | Causes serious eye irritation.                                      |
| Ingestion    | Ingestion is not a likely route of exposure.                        |

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

### Information on toxicological effects

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

| Components                   | Species | Test Results  |
|------------------------------|---------|---------------|
| Carbon black (CAS 1333-86-4) |         |               |
| <u>Acute</u>                 |         |               |
| Oral                         |         |               |
| LD50                         | Rat     | > 10000 mg/kg |

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Causes serious eye irritation.

### Respiratory or skin sensitization

|                           |   |
|---------------------------|---|
| Respiratory sensitization | Based on available data, the classification criteria are not met. |
| Skin sensitization        | May cause sensitization by skin contact.                          |

Germ cell mutagenicity Based on available data, the classification criteria are not met.

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

### IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.

Reproductive toxicity May damage fertility. May damage the unborn child.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.

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

Further information Complete toxicity data are not available for this specific formulation

## 12. Ecological information

|                               |  |
|-------------------------------|--|
| Aquatic toxicity              | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. This product has not been tested for ecological effects. |
| Ecotoxicity                   | No ecotoxicity data noted for the ingredient(s).   |
| Persistence and degradability | Not available.   |
| Bioaccumulative potential     | Not available.   |
| Mobility in soil              | Not available.   |
| Other adverse effects         | Not available.   |

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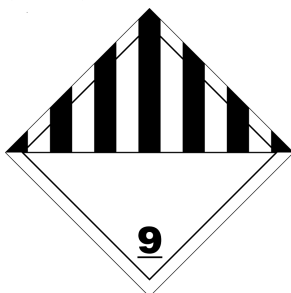
### 13. Disposal considerations

|  |  |
|--|--|
| <b>Disposal instructions</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. |
| <b>Waste from residues / unused products</b> | Not available.   |
| <b>Contaminated packaging</b>                | Not available.   |

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### 14. Transport information

|                                      |  |
|--------------------------------------|--|
| <b>DOT</b>                           | Not regulated as dangerous goods.  |
| <b>DOT Supplemental Information</b>  | DOT Classification only applies to shipments within the US and Puerto Rico.                                    |
| <b>IATA</b>                          |  |
| <b>UN number</b>                     | UN3082   |
| <b>UN proper shipping name</b>       | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)                      |
| <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.   |
| <b>IATA Supplemental Information</b> | When shipping ≤ 5L inner packaging, Special Provision A197 may apply.  |
| <b>IMDG</b>                          |  |
| <b>UN number</b>                     | UN3082   |
| <b>UN proper shipping name</b>       | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative),<br>MARINE POLLUTANT |
| <b>Transport hazard class(es)</b>    |  |
| <b>Class</b>                         | 9  |
| <b>Subsidiary risk</b>               | -  |
| <b>Packing group</b>                 | III  |
| <b>Transport hazard class(es)</b>    |  |
| <b>Marine pollutant</b>              | Yes  |
| <b>EmS</b>                           | F-A, S-F   |
| <b>Special precautions for user</b>  | Not available.   |
| <b>IMDG Supplemental Information</b> | When shipping ≤ 5L containers, IMDG 2.10.2.7 may apply.  |
| <b>ADR</b>                           |  |
| <b>UN number</b>                     | UN3082   |
| <b>UN proper shipping name</b>       | Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates, Propiophenone derivative)                      |
| <b>Transport hazard class(es)</b>    |  |
| <b>Class</b>                         | 9  |
| <b>Subsidiary risk</b>               | -  |
| <b>Hazard No. (ADR)</b>              | Not available.   |
| <b>Tunnel restriction code</b>       | Not available.   |
| <b>Packing group</b>                 | III  |
| <b>Environmental hazards</b>         | Yes  |
| <b>Special precautions for user</b>  | Not available.   |
| <b>ADR Supplemental Information</b>  | When shipping ≤ 5L containers, ADR 375 may apply.  |
| <b>ADR; IATA; IMDG</b>               |  |





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## 15. Regulatory information

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

#### Hazardous Substances Act, 1973 (Act No. 15 of 1973)

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, 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.

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## 16. Other information

**Issue date** 18-Oct-2016

**Revision date** 09-Feb-2018

**Version #** 02

**Disclaimer** 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.

**Revision information** Hazard(s) identification: Hazard statement  
Hazard(s) identification: Prevention  
Hazard(s) identification: Response  
Composition / Information on Ingredients: Ingredients  
Toxicological information: Carcinogenicity  
Toxicological information: Eye contact  
Toxicological information: Ingestion  
Toxicological information: Inhalation  
Toxicological information: Skin contact  
Regulatory information: International regulations  
GHS: Classification

## 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  |