



SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

1.1 GHS product identifier TestATNseries

1.2 Other means of identification

Common name(s),
synonym(s) HP FB210 Black Scitex Ink

1.3 Recommendations and restrictions on the use of substances or mixtures

Recommended use Inkjet printing

Recommended restrictions Not available.

1.4 Supplier's details

HP Inc (Thailand) Ltd.
968 U Chu Liang Building, 3rd Floor, Rama IV Rd., Silom, Bangrak, BKK 10500
Bangkok, Bangkok, Thailand 10500

Telephone 66 2353 0888

Main Fax 66 2353 9555

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. Hazards identification

2.1 GHS classification of substance or mixture, and national or regional information

Physical hazards Not classified.

| | | |
|---|--|---|
| Health hazards | Acute toxicity, oral | Category 5 |
| | Acute toxicity, dermal | Category 5 |
| | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Sensitization, skin | Category 1 |
| | Reproductive toxicity (fertility, the unborn child) | Category 1B |
| | 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 |

2.2 GHS label elements

Hazard symbol(s)



Signal word Danger

Hazard statement(s) May be harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. 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(s)

| | |
|-------------------|---|
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Avoid release to the environment. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. |
| Response | IF exposed or concerned: Get medical attention/advice. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Wash with plenty of water. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. If skin irritation or rash occurs: Get medical advice/attention. Call a POISON CENTER/doctor/physician if you feel unwell. Collect spillage. Take off contaminated clothing and wash before reuse. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store locked up. Store in a well-ventilated place. Keep container tightly closed. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |

2.3 Other hazards which do not result in GHS 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.

Supplemental information None.

3. Composition/information on ingredients

3.2 Mixture

| Chemical identity | Common name and synonym | CAS number and other unique identifiers | Concentration or concentration range |
|---|---|---|--------------------------------------|
| TRADE SECRET* | | Proprietary* | <25 |
| Acrylic acid ester* | | Proprietary* | <20 |
| Acrylate ester 3* | | Proprietary* | <15 |
| Glycerol, propoxylated, esters with acrylic acid* | | Proprietary* | <15 |
| Acrylic acid, Monoalkyl Ester* | | Proprietary* | <10 |
| Carbon Black Test | | Mixture | <7.5 |
| Diphenyl (2,4,6-trimethylbenzoyl) phosphine* | | Proprietary* | <5 |
| Vinylcaprolactam* | | Proprietary* | <5 |
| Substituted Phosphine Oxide* | | Proprietary* | <1 |
| Vinylester resin | Propionic acid, 2-methyl-3,3'-(phenylphosphinylidene)di-, diallyl ester | | <1 |
| 1-butanol | | 71-36-3 | <0.1 |
| 4-Methoxyphenol | | 150-76-5 | <0.1 |
| Genorad 16 Proprietary Stabilizer | | Proprietary | <0.1 |
| Octyl decyl acrylate | | Proprietary | <0.1 |

4. First-aid measures

4.1 Description of 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. |

4.2 Most important symptoms/effects, acute and delayed Not available.

4.3 Indication of immediate medical considerations and important specific treatment that should be performed Not available.

5. Fire-fighting measures

5.1 Prohibited extinguishing media and suitable extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Dry powder. Carbon dioxide (CO ₂). 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. |

5.2 Specific hazards arising from chemicals Not applicable.

5.3 Special protective equipment and precautions for fire-fighters Not available.

Fire fighting equipment/instructions Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accidental release measures

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

6.2 Environmental precautions Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up Not available.

Other issues relating to spills and releases Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container.

7. Handling and storage

7.1 Precautions for safe handling, use and storage Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities 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.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|--------------------------------|------|---------------------|
| 1-butanol (CAS 71-36-3) | TWA | 20 ppm |
| 4-Methoxyphenol (CAS 150-76-5) | TWA | 5 mg/m ³ |

Biological limit values No biological exposure limits noted for the ingredient(s).

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

8.2 Appropriate engineering controls Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

8.3 Personal protective measures

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

| | |
|---------------------------------------|--|
| Skin protection | |
| Hand protection | Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness. |
| Other | Wear appropriate chemical resistant clothing. |
| Respiratory protection | Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. |
| Thermal hazards | Not available. |
| General hygiene considerations | 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. |

9. Physical and chemical properties

| | |
|--|--|
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Black. |
| 9.2 Odor | Characteristic. |
| 9.3 Odor threshold limit | Not available. |
| 9.4 pH | Not available. |
| 9.5 Melting point/freezing point | Not available. |
| 9.6 Initial boiling point and boiling range | Not available. |
| 9.7 Flash point | > 212.0 °F (> 100.0 °C) Closed Cup EPA Method 1020 |
| 9.8 Evaporation rate | Not available. |
| 9.9 Flammability (solid, gas) | Not available. |
| 9.10 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. |
| 9.11 Vapor pressure | Not available. |
| 9.12 Vapor density | Not available. |
| 9.14 Solubility(ies) | |
| Solubility (water) | Not available. |
| 9.15 Partition coefficient: n-octanol/water | Not available. |
| 9.16 Auto-ignition temperature | Not available. |
| 9.17 Decomposition temperature | Not available. |
| 9.18 Viscosity | Not available. |
| Other information | |
| VOC | < 95 g/L Method 24/ASTM D5409-93 |

10. Stability and reactivity

| | |
|--|---|
| 10.1 Reactivity | Not available. |
| 10.2 Chemical stability | Stable under normal storage conditions. |
| 10.3 Possibility of hazardous reactions | Hazardous polymerization can occur with decreased inhibitor content. |
| 10.4 Conditions to avoid | Exposure to sunlight. |
| 10.5 Incompatible materials | Incompatible with strong bases and oxidizing agents. alkaline metals |
| 10.6 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

| | |
|--|----------------|
| 11.1 Information on likely routes of exposure | |
| Inhalation | Not available. |
| Skin contact | Not available. |

| | |
|---|---|
| Eye contact | Not available. |
| Ingestion | Not available. |
| 11.2 Symptoms related to physical, chemical and toxicological characteristics | Not available. |
| 11.3 Delayed and immediate effects, including chronic effects from short- and long-term exposure | Not available. |
| 11.4 Numerical values of toxicity | |
| Acute toxicity | Based on available data, the classification criteria are not met. May be harmful if swallowed. May be harmful in contact with skin. |
| Skin corrosion/irritation | Causes skin irritation. |
| 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. |
| | 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. |
| Reproductive toxicity | May damage fertility. May damage the unborn child. |
| Specific target organ toxicity - single exposure | May cause irritation to the respiratory system. |
| 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

| | |
|---|--|
| 12.1 Ecological toxicity | No ecotoxicity data noted for the ingredient(s). |
| 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. |
| 12.2 Persistence and degradability | Not available. |
| 12.3 Bioaccumulative potential | Not available. |
| | Partition coefficient n-octanol / water (log Kow) |
| | 1-butanol 0.88 |
| | 4-Methoxyphenol 1.58 |
| 12.4 Mobility in soil | Not available. |
| 12.5 Other adverse effects | Not available. |

13. Disposal considerations

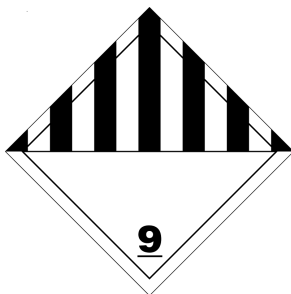
| | |
|--|--|
| Disposal instructions | Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor. |
| Local disposal regulations | Not available. |
| Waste from residues / unused products | Not available. |
| Contaminated packaging | Not available. |

14. Transport information

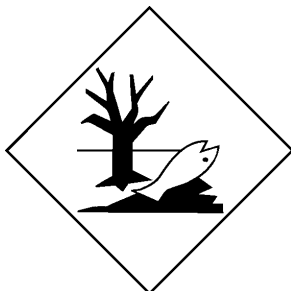
| | |
|------------|-----------------------------------|
| DOT | Not regulated as dangerous goods. |
|------------|-----------------------------------|

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

ADR; IATA; IMDG



Marine pollutant



15. Regulatory information

Federal regulations

Thailand. Explosive Substances & Precursors (Ministry of Defense Notification Re: Arms Subject to Imports License)

Not regulated.

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to Dangerous Chemicals

Not regulated.

Thailand. Notification of the Ministry of Interior, Re: Work Safety Relating to More Dangerous Chemicals

Not regulated.

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)

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.

16. Other information, including date of preparation or last revision

Issue date 03-Mar-2018

Version # 01

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.

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 |