



SAFETY DATA SHEET

1. Identification

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|--------------------------------------|--|
| GHS product identifier | CH133Series |
| Other means of identification | |
| Synonyms | HP Scitex FB240 Black Ink |
| Recommended use | Inkjet printing. |
| Recommended restrictions | None known. |
| Company identification | HP South Africa (Pty) Limited, 12 Autumn Street, Pt. 1st Floor Sandton 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 | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Sensitization, skin | Category 1 |
| | Reproductive toxicity | Category 2 |
| | 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 | Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility. 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. P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. 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. P337 + P313 - If eye irritation persists: Get medical advice/attention. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P308 + P313 - IF exposed or concerned: Get medical attention/advice. P391 - Collect spillage. P362 - Take off contaminated clothing and wash before reuse. |

Storage P405 - Store locked up.

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

Other hazards which do not result in classification 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. Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).

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

Proprietary initiator - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

Supplemental information Contains Glycerolpropoxytriacylate. May produce an allergic reaction.

3. Composition/information on ingredients

Mixtures

Hazardous components

| Chemical name | Common name and synonyms | CAS number | % |
|--|--------------------------|-------------|-----|
| Difunctional acrylic monomer | | Proprietary | <10 |
| Proprietary initiator | | Proprietary | <5 |
| 2-benzyl-2-dimethylamino-4-morpholinobutyrophenone | | 119313-12-1 | <1 |

Non-hazardous components

| Chemical name | Common name and synonyms | CAS number | % |
|-----------------------------|--------------------------|-------------|------|
| Acrylic acid ester | | Proprietary | <40 |
| Carboxylic Acids, Esters | | Proprietary | <25 |
| Vinylcaprolactam | | Proprietary | <25 |
| Acrylate ester | | Proprietary | <5 |
| Aliphatic urethane acrylate | | Proprietary | <5 |
| Alkyl Acrylate Ester | | Proprietary | <5 |
| Carbon black | | 1333-86-4 | <2.5 |

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

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.

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 Not applicable.

Special protective equipment and precautions for firefighters Not available.

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

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. |
| Other issues relating to spills and releases | Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations. |

7. Handling and storage

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|---|---|
| Precautions for safe handling | Avoid contact with skin, eyes and clothing. |
| 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

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 ³ |
| | TWA | 3.5 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. |
| Appropriate engineering controls | Not available. |
| Individual protection measures, such as personal protective equipment | |
| 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

Appearance

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|---|--------------------------------------|
| Physical state | Liquid. |
| Form | Liquid. |
| Color | Black. |
| Odor | Characteristic. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | > 212.0 °F (> 100.0 °C) (Closed Cup) |
| Evaporation rate | 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. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Chemical family | Acrylate/Polymer/Pigment Blend |
| VOC (Weight %) | < 95 g/L |

10. Stability and reactivity

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|---|---|
| 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

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|---|----------------|
| 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)

Acute

Oral

LD50

Rat

> 8000 mg/kg

| | |
|----------------------------------|-------------------------|
| Skin corrosion/irritation | Causes skin irritation. |
|----------------------------------|-------------------------|

| | |
|--|--------------------------------|
| Serious eye damage/eye irritation | Causes serious eye irritation. |
|--|--------------------------------|

Respiratory or skin sensitization

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|----------------------------------|---|
| 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. |
|-------------------------------|---|

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|------------------------|---|
| Carcinogenicity | Based on available data, the classification criteria are not met. Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans). |
|------------------------|---|

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.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

| | |
|------------------------------|----------------------------------|
| Reproductive toxicity | Suspected of damaging fertility. |
|------------------------------|----------------------------------|

| | |
|---|---|
| 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. |

13. Disposal considerations

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|-----------------------------------|--|
| 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. |

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) |
| 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), MARINE POLLUTANT |
| Transport hazard class(es) | |
| Class | 9 |
| Subsidiary risk | - |
| Packing group | III |
| Environmental hazards | |
| 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

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

ADR supplemental information When shipping ≤ 5L containers, ADR 375 may apply.

IATA; IMDG



ADR

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, Japan, Philippines, 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.

16. Other information

Issue date

12-Aug-2016

Version

01

Disclaimer

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Revision Information

Composition / Information on Ingredients: Ingredients
14. Transport Information: Material Transportation Information
15. Regulatory Information: United States
GHS: Qualifiers

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 |

Manufacturer information

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