



# MATERIAL SAFETY DATA SHEET

## 1. Chemical product and company identification

**Important information** \*\*\* This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. \*\*\*

**A. Product name** CH219Series

**Other means of identification**  
**Synonym(s)** HP Scitex FB250 Black Ink

### B. Recommended use and Limitations on use

**Recommended use** Inkjet printing

### C. Supplier information

HP Inc.  
07325 83 Uisadang-daero  
Youngdeungpo-gu  
Seoul, Korea

**Telephone** 02-780-6200

### 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

### A. Hazard category/Classification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
	Reproductive toxicity	Category 1B
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation
	Specific target organ toxicity, repeated exposure	Category 1 (liver, respiratory system)
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 2

### B. Warning label items including precautionary statement

• Pictogram



• Signal word

Danger

• Hazard statement

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H360	May damage fertility or the unborn child.
H335	May cause respiratory irritation.
H372	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

• Precautionary statement

**Prevention**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P202	Do not handle until all safety precautions have been read and understood.
P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
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.
P312	Call a poison center/doctor if you feel unwell.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.

#### Storage

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

#### Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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#### C. Other hazards not included in the hazard category criteria (e.g. dust explosion hazard)

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

Benzophenone is classified by the IARC as a Group 2B carcinogen (the substance is possibly carcinogenic to humans).

**Supplemental information** None.

### 3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
2-phenoxyethyl acrylate		48145-04-6	KE-29624	<30
N-vinylcaprolactam		2235-00-9	KE-13281, 97-3-88	<25
Tridecyl acrylate		3076-04-8	KE-29731	<15
Propoxylated Neopentyl Glycol Diacrylate		84170-74-1	KE-25813, KE-05-1064	<10
2-[[[3-hydroxy-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propandiyldiacrylat		60506-81-2	KE-20410	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide		75980-60-8	KE-12103	<5
Poly (ethylene glycol) diacrylate		26570-48-9	KE-27657	<5
2,6-di-tert-butyl-.alpha.-dimethylamino-p-cresol		88-27-7	KE-11157	<1
Benzophenone		119-61-9	KE-02716	<1

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

### 4. First aid measures

<b>A. In case of eye contact</b>	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.
<b>B. In case of skin contact</b>	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
<b>C. In case of inhalation</b>	Move to fresh air. If symptoms persist, get medical attention.
<b>D. In case of swallowing</b>	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.
<b>E. Note to physician</b>	Not available.

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## 5. Fire-fighting measures

### A. Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media** Dry powder. Carbon dioxide (CO<sub>2</sub>). 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.

**B. Specific hazards arising from the chemical (example: hazardous combustion products)** Not available.

### C. Specific methods of fire-fighting

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

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## 6. Accidental release measures

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

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

**C. Methods and materials for containment and cleaning up** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

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## 7. Handling and storage

**A. Precautions for safe handling** Avoid contact with skin, eyes and clothing.

**B. 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.

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## 8. Exposure controls/personal protection

### A. Exposure limit values, biological limit values, etc

No exposure limits noted for ingredient(s).

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

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

**B. Appropriate engineering controls** Not available.

### C. Personal protective equipment

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

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

• **Hand protection** Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.

• **Body protection** Wear appropriate chemical resistant clothing.

**Hygiene measures** 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

### A. Appearance

**Physical state** Liquid.

**Form** Liquid.

**Color** Black.

**B. Odor** Characteristic.

**C. Odor threshold** Not available.

**D. pH** 7.4 - 7.8 Metler Toledo pH Meter. Temperature 25°C

**E. Melting point/freezing point** Not available.

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

**G. Flash point** > 199.9 °F (> 93.3 °C) Calculated

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<b>H. Evaporation rate</b>	Not available.
<b>I. Flammability (solid, gas)</b>	Not available.
<b>J. Upper/lower limit on 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>K. Vapor pressure</b>	Not available.
<b>L. Solubility</b>	
<b>Solubility (water)</b>	Not available.
<b>M. Vapor density</b>	Not available.
<b>N. Specific gravity</b>	Not available.
<b>O. n-octanol/water partition coefficient</b>	Not available.
<b>P. Auto-ignition temperature</b>	Not available.
<b>Q. Decomposition temperature</b>	Not available.
<b>R. Viscosity</b>	9.3 - 10.6 cP Brookfield Viscometer Temperature 50°C
<b>S. Molecular weight</b>	Not available.
<b>Other data</b>	
<b>Chemical family</b>	Acrylate/Polymer/Pigment Blend
<b>VOC</b>	0.2 g/L Calculated

## 10. Stability and reactivity

### A. Stability and hazardous reaction potential

<b>Stability</b>	Stable under normal storage conditions.
<b>Hazardous reaction potential</b>	Hazardous polymerization can occur with decreased inhibitor content.

**B. Conditions to avoid (e.g. static discharge, shock or vibration, etc)** Exposure to sunlight.

**C. Incompatible materials** Incompatible with strong bases and oxidizing agents. alkaline metals

**D. 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

### A. Information on likely routes of exposure

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

### B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Based on available data, the classification criteria are not met.

Components	Species	Test Results
N-vinylcaprolactam (CAS 2235-00-9)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1700 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 1.6 mg/l
<b>Oral</b>		
LD50	Rat	1114 mg/kg
• <b>Corrosivity or irritation to the skin</b>	Causes skin irritation.	

- **Serious eye damage/eye irritation** Causes serious eye irritation.
- **Respiratory sensitization** Based on available data, the classification criteria are not met.
- **Skin sensitization** May cause sensitization by skin contact.
- **Carcinogenic properties /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.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Benzophenone (CAS 119-61-9) 2B Possibly carcinogenic to humans.

- **Mutagenic properties /Mutagenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Suspected of damaging 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.

## 12. Ecological information

### A. Ecotoxicity

Components	Species	Test Results
2-phenoxyethyl acrylate (CAS 48145-04-6)		
<i>Acute</i>		
	EC10	Desmodesmus subcapitatus 0.71 mg/l, 72 h (DIN 38412 L9)
	EC50	Desmodesmus subcapitatus 4.44 mg/l, 72 h (DIN 38412 L9)
	LC50	Leuciscus idus 10 mg/l, 96 h (DIN 38 412)
	NOEC	Desmodesmus subcapitatus 0.71 mg/l, 72 h (DIN 38412 L9)
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 1.21 mg/l, 48 h (Directive CE 79/831/CEE, Annex V, Part C)
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide (CAS 75980-60-8)		
<i>Acute</i>		
	EC10	Pseudokirchneriella subcapitata 1.56 mg/l, 72 h (OECD 201)
	EC50	Pseudokirchneriella subcapitata > 2.01 mg/l, 72 h (OECD 201)
	LC50	Cyprinus carpio 1.4 mg/l, 96 h (OECD 203)
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 3.53 mg/l, 48 h (OECD 202)
Propoxylated Neopentyl Glycol Diacrylate (CAS 84170-74-1)		
<i>Acute</i>		
	EC10	Pseudokirchneriella subcapitata 2.3 mg/l, 72 h (OECD 201)
	EC50	Pseudokirchneriella subcapitata 11 mg/l, 72 h (OECD 201)
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Daphnia Magna 37 mg/l, 48 h (OECD 202)
Fish	LC50	Danio rerio 2.7 mg/l, 96 h (OECD 203)

**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.

**B. Persistence/degradability** Not available.

**C. Bioaccumulative potential**

**Bioconcentration factor**

Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide

72, (JIS K 0102-1986, 71 - Kanpogyo No .S, Yakuhatsu No . 615, 49-Kikyoku No . 392, MITI/MHW Chemical Substance Control Law, Japan)

**D. Mobility in soil** Not available.**E. Other adverse effects** Not available.

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**13. Disposal considerations**

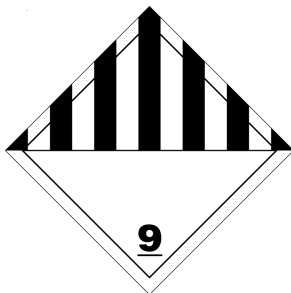
**A. Method of disposal** Do not dispose of together with general office waste.  
Do not allow this material to drain into sewers/water supplies.  
Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.  
Ensure collection and disposal with an appropriately licensed waste contractor.

**B. Disposal considerations (including disposal of contaminated containers or packaging)** Not available.

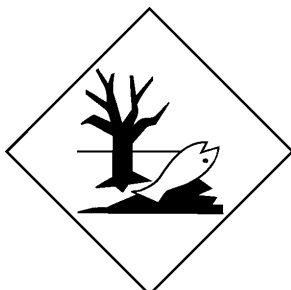
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**14. Transport information****DOT****UN number** Not available.**UN proper shipping name** Not Regulated**Transport hazard class(es)****Class** Not available.**Subsidiary risk** -**Packing group** Not available.**Environmental hazards****Marine pollutant** No**Special precautions for user** Not available.**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**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)**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



Further information

Transport in bulk according to Annex II of MARPOL73/78 and the IBC code: Not applicable.

## 15. Regulatory information

### A. Restrictions under the Industrial Safety and Health Law

#### Harmful Substances Prohibited from Manufacturing

Not regulated.

#### Harmful Substances Requiring Permission for Manufacture or Use

Not regulated.

#### Controlled Hazardous Substances

Not regulated.

#### Harmful Substances Requiring Special Medical Examination

Not regulated.

#### Workplace Environmental Monitoring Harmful Materials

Not regulated.

#### Occupational Exposure Limit

Not regulated.

### B. Restrictions under the Chemicals Control Law (Previously Toxic Chemicals Control Law)

#### Accidental Release Prevention Substances

Not regulated.

#### Act on the Registration and Evaluation of Chemicals

##### Banned Toxic Chemicals

Not regulated.

##### Designated Existing Chemicals Subject to Registration (PEC) (MoE No. 2015-92)

Not listed.

##### Restricted Chemical Substances

Not regulated.

##### Toxic Chemicals

Not regulated.

### C. Restrictions under the Dangerous Substance Safety Management Act

### D. Restrictions under the Wastes Control Act

#### Halogenated Materials in Waste Organic Solvents

Not regulated.

#### Hazardous Substances

Not regulated.

### E. Restrictions under other foreign or domestic laws

#### Clean Air Conservation Act

##### Air Pollutants

Not regulated.

**Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides (Rules on PIC, MoE No. 2014-252, Dec. 31, 2014; Standards for Pesticides, RDA No. 2014-26), as amended**

Not listed.

**Specific Air Pollutants**

Not regulated.

**Regulatory information**

The components of this product are reported in the following inventories: USA, European Union, Canada, Japan, China, Australia, Korea.

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**16. Other information**

- A. Source of information** Not available.  
**B. Issue date** 03-Jun-2013  
**C. Number of revisions and date of most recent revision** 15-Apr-2021 (19 revision)  
**D. Other** Not available.

**Disclaimer**

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**Revision information**

1. Product and Company Identification: EU Poison Center
3. Composition / Information on Ingredients: Disclosure Overrides

**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