



SAFETY DATA SHEET

1. Identification of the chemical and information about the manufacturer or supplier

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1.1 Identification of the chemical products

1.1.1 Technical name CH219Series

Other means of identification

Synonyms HP Scitex FB250 Black Ink

1.1.2 Recommended use of the chemical and restrictions on use

Recommended use Inkjet printing

Limitations on use None known.

1.2 Manufacturer/Importer/Supplier/Distributor information

1.2.1 Manufacturer

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2. Hazard(s) identification

2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

Classification according to GOST 12.1.007-76 Not available.

GHS classification

Physical hazards Not classified.

Health hazards	Acute toxicity, oral	Not applicable
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	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)
Environmental hazards	Hazardous to the aquatic environment, long-term hazard	Category 2

2.2 Labeling elements in compliance with GOST 31340-2013

2.2.1 Signal word Danger

2.2.2 Symbols



2.2.3 Hazard statement

H360	May damage fertility or the unborn child.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

H317 May cause an allergic skin reaction.
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.

Other hazards

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

3.1 Information on product as a whole

3.1.1 Chemical name (IUPAC) CH219Series
3.1.2 Chemical formula Not available.
3.1.3 General description of the composition (taking into account the brand assortment; preparation method) Not available.

3.2 Components

Components	Concentration by weight (%)	Hygienic standards in the working area			CAS-No.	EC No.
		MAC, mg/m3	TSEL, mg/m3	Hazard classification		
2-phenoxyethyl acrylate	<30	None.	None.		48145-04-6	256-360-6
1-vinylhexahydro-2H-azepin-2-one	<25	None.	None.		2235-00-9	218-787-6
Tridecyl acrylate	<15	None.	None.		3076-04-8	221-351-8
Neopentylglycol, propoxylated esters with acrylic acid	<10	None.	None.		84170-74-1	-
2-[[[3-hydroxy-2,2-bis[[[(1-oxoallyl)oxy]methyl]propoxy]methyl]-2-[[[(1-oxoallyl)oxy]methyl]-1,3-propandiy]diacrylat	<5	None.	None.		1384855-91-7	800-838-4

Components	Concentration by weight (%)	Hygienic standards in the working area			CAS-No.	EC No.
		MAC, mg/m3	TSEL, mg/m3	Hazard classification		
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	<5	None.	None.		75980-60-8	278-355-8
Poly (ethylene glycol) diacrylate	<5	None.	None.		26570-48-9	-
2,6-di-tert-butyl-.alpha.-dimethylamino-p-cresol	<1	0.5 Vapor and aerosol.	None.	2	88-27-7	201-816-1
Benzophenone	<1	None.	None.		119-61-9	204-337-6

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

4. First-aid measures

4.1. Observed symptoms

- 4.1.1 In case of exposure via inhalation** Inhalation may result in mild irritation to the respiratory system.
- 4.1.2 In contact with skin** Causes skin irritation. May cause sensitization by skin contact.
- 4.1.3 In contact with eyes** Causes serious eye irritation.
- 4.1.4 In case of exposure via ingestion** Ingestion is not a likely route of exposure.

4.2 First-aid measures to be provided to victims

- 4.2.1 In case of exposure via inhalation** Move to fresh air. If symptoms persist, get medical attention.
- 4.2.2 In contact with skin** Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
- 4.2.3 In contact with 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.
- 4.2.4 In case of exposure via 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.
- 4.2.5 Contraindications** Not available.

5. Fire-fighting and explosion safety measures and means

- 5.1 General characteristics of fire-explosion properties** Not available.
- 5.2 Fire-explosion indicators** Not available.
- 5.3 Combustion and/or thermal destruction products and hazards arising from these** Not available.
- 5.4 Recommended extinguishing media** Dry powder. Carbon dioxide (CO₂). Water may be ineffective.
- 5.5 Forbidden extinguishing media** Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.
- 5.6 Special protective equipment for firefighters** Not available.
- 5.7 Specific extinguishing methods** Not available.
- Special fire fighting procedures** Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accident and emergency prevention and response measures and their consequences

6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies

- 6.1.1 General required actions in case of an accident or emergency** Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
- 6.1.2 Personal protection equipment in case of the accident** Not available.

6.2 Procedures for the elimination of accidents and emergencies

6.2.1 Procedures in case of leaks, spills, splashes Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

6.2.2 Actions in case of fire 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.

7. Storage and handling requirements of chemicals during loading and unloading

7.1 Safety precautions when handling chemical products

7.1.1 Technical safety measures Not available.

7.1.2 Environmental protection measures Not available.

7.1.3 Recommended safe handling and transportation advice Avoid contact with skin, eyes and clothing.

7.2 Chemical storage requirements

7.2.1 Terms and conditions for safe storage Not available.

7.2.2 Packaging Not available.

7.3 Safety measures and storage requirements at domestic use 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.

8. Equipment for monitoring exposure and personal protective equipment

8.1 Parameters of the working area that require monitoring

Occupational exposure limits

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended

Components	Type	Value	Form
2,6-di-tert-butyl-.alpha.-dimethylamino-p-cresol (CAS 88-27-7)	Ceiling	0.5 mg/m ³	Vapor and aerosol.

8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration Exposure limits have not been established for this product.

8.3 Worker personal protective equipment

8.3.1 General recommendations Not available.

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

8.3.3 Protective equipment

Eye/face 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.

Other Wear appropriate chemical resistant clothing.

Thermal hazards Not available.

8.3.4 Personal protection equipment in case of domestic use Not applicable.

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

9.1 Physical appearance

Physical state Liquid.

Form Liquid.

Color Black.

Odor	Characteristic.
Odor threshold	Not available.
9.2 Parameters characterizing basic properties of the product	
pH	7.4 - 7.8 Metler Toledo pH Meter. Temperature 25°C
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	> 199.9 °F (> 93.3 °C) Calculated
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Density	1.06 g/cm ³
Viscosity	9.3 - 10.6 cP Brookfield Viscometer Temperature 50°C
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Other data	
Chemical family	Acrylate/Polymer/Pigment Blend
VOC	0.2 g/L Calculated

10. Stability and reactivity

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

11. Toxicological information

11.1 General exposure characteristics	Not available.
11.2 Routes of exposure	Not available.
11.3 Affected/target organs, tissues and systems of humans	
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.
11.4 Information on health hazards in case of direct exposure to the product and its effect	
Effect on upper respiratory tract irritation	Not available.
Respiratory or skin sensitization	Not available.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	May cause sensitization by skin contact.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Aspiration hazard	Based on available data, the classification criteria are not met.

11.5 Information on long-term hazardous health effects

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.

Reproductive toxicity Suspected of damaging the unborn child.

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

Cumulativeness Not available.

Chronic effects Not available.

11.6 Acute toxicity data May be harmful if swallowed.

Components	Species	Test Results
1-vinylhexahydro-2H-azepin-2-one (CAS 2235-00-9)		
Acute		
Dermal		
LD50	Rabbit	1700 mg/kg
Inhalation		
LC50	Rat	> 1.6 mg/l
Oral		
LD50	Rat	1114 mg/kg
Further information	Complete toxicity data are not available for this specific formulation	

12. Environmental impact 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.

12.1 General description of the impact on the environment Not available.

12.2 Routes of exposure to environment Not available.

12.3 The most important characteristics of the environmental impact

12.3.1 Hygienic standards Not available.

12.3.2 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)	
Aquatic			
<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)	
Aquatic			
<i>Acute</i>			
Crustacea	EC50	Daphnia magna	3.53 mg/l, 48 h (OECD 202)

Components	Species	Test Results
Neopentylglycol, propoxylated esters with acrylic acid (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)
Aquatic		
<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)
12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes		
Persistence and degradability	Not available.	
Bioaccumulative potential		
Bioconcentration factor (BCF)		
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)	
Mobility in soil	Not available.	
Other adverse effects	Not available.	

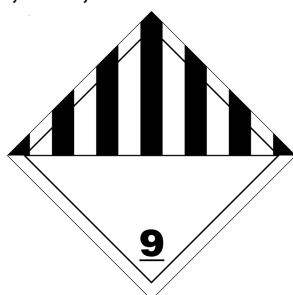
13. Recommendations for waste (residues) disposal

13.1 Safety precautions when handling the waste generated during use, storage, transportation	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.
13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging	Not available.
13.3 Recommendation on the waste disposal generated during its domestic use	Not available.

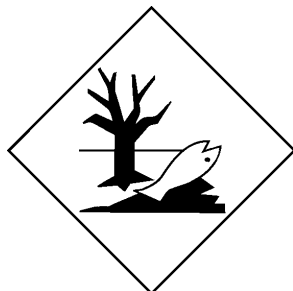
14. Transport information

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. National and international regulatory information

15.1 National legislation

15.1.1 Laws of the Russian Federation Not available.

15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment

Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

15.2 International Conventions and Agreements

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

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

16. Other information

16.1 Information on revision of the SDS

Issue date	30-Aug-2013
Revision date	15-Apr-2021
Version #	19
Previous SDS number	Not applicable.
Revision information	3. Composition / Information on Ingredients: Disclosure Overrides

16.2 List of references used in compiling the safety data sheet

Not available.

Disclaimer

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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