



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 CN833Series

Other means of identification
Synonym(s) HP XP220 Black Scitex Ink

B. Recommended use and Limitations on use
Recommended use Inkjet printing

C. Supplier information
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2. Hazards identification

A. Hazard category/Classification

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	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 (liver, respiratory system)
Environmental hazards	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.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H360FD	May damage fertility. May damage the unborn child.
H335	May cause respiratory irritation.
H372	Causes damage to organs (liver, respiratory) 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.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
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. Immediately call a POISON CENTER or doctor/physician.
P310	IF ON SKIN: Wash with plenty of soap and water.
P302 + P352	If skin irritation or rash occurs: Get medical advice/attention.
P333 + P313	IF EXPOSED OR CONCERNED: Get medical attention/advice.
P308 + P313	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304 + P340	Call a POISON CENTER/doctor/physician if you feel unwell.
P312	Collect spillage.
P391	Take off contaminated clothing and wash before reuse.
P362	

Storage

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

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)

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

Supplemental information

None.

3. Composition/information on ingredients

Chemical identity	Common and alternative names	CAS number	ID number	Content in percent (%)
1-vinylhexahydro-2H-azepin-2-one		2235-00-9	KE-13281, 97-3-88	<25
Isobornyl acrylate		5888-33-5	KE-34433	<25
Propylidynetrimethanol, ethoxylated, esters with acrylic acid		Proprietary	Proprietary	<20
(octahydro-4.7-methano-1H-indenediyl)bis(methylene) diacrylate		42594-17-2	KE-26598	<10
Dodecyl acrylate		2156-97-0	KE-29498	<10
Phenyl, Bis(2,4,6-trimethylbenzoyl)-phosphine oxide		162881-26-7	97-3-613	<7.5
Tetrahydrofurfuryl acrylate		2399-78-6	KE-29729	<7.5
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one		71868-10-5	KE-24440	<2.5
Ethyl 4-dimethylaminobenzoate		10287-53-3	KE-13611	<2.5
Oxybis(methyl-2,1-ethanediyl) diacrylate		57472-68-1	57472-68-1	<2.5

Composition comments

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

4. First aid measures

A. In case of 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.

B. In case of skin contact

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

C. In case of inhalation	Move to fresh air. If symptoms persist, get medical attention.
D. In case of swallowing	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
E. Note to physician	Not available.

5. Fire-fighting measures

A. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Dry powder. Carbon dioxide (CO ₂). Water may be ineffective.
Unsuitable extinguishing media	Water.

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

C. Specific methods of fire-fighting

Special protective equipment for firefighters	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.

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

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

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.

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

C. Personal protective equipment

- **Respiratory protection** Not available.
- **Eye protection** Not available.
- **Hand protection** Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.
- **Body protection** Not available.

9. Physical and chemical properties

A. Appearance

Physical state	Not available.
Form	Liquid.
Color	Black.

B. Odor Characteristic.

C. Odor threshold Not available.

D. pH 6.8 - 7.2 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 > 212.0 °F (> 100.0 °C) Closed Cup

H. Evaporation rate Not available.

I. Flammability (solid, gas) Not available.

J. Upper/lower limit on flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

K. Vapor pressure Not available.

L. Solubility

Solubility (water) Not available.

M. Vapor density Not available.

N. Specific gravity Not available.

O. n-octanol/water partition coefficient Not available.

P. Auto-ignition temperature Not available.

Q. Decomposition temperature Not available.

R. Viscosity 13.5 - 14.5 cP Brookfield Viscometer (± 0.5) Temperature 45°C. Spindle # 18 (S18) RPM 100. Wait approx 10 min to take the reading.

S. Molecular weight Not available.

Other data

VOC < 95 g/L

10. Stability and reactivity**A. Stability and hazardous reaction potential**

Stability Stable under normal storage conditions.

Hazardous reaction potential 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** May cause irritation to the respiratory system.
- **Skin** Causes skin irritation. May cause sensitization by skin contact.
- **Eyes** Causes serious eye damage.
- **Mouth** May be harmful if swallowed.

B. Information on health hazards

- **Acute toxicity (list all possible routes of exposure)** Harmful in contact with skin.

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

• **Corrosivity or irritation to the skin** Based on available data, the classification criteria are not met.

• **Serious eye damage/eye irritation** Causes serious eye damage.

• Respiratory sensitization	Based on available data, the classification criteria are not met.
• Skin sensitization	Based on available data, the classification criteria are not met. May cause an allergic skin reaction.
• Carcinogenic properties /Carcinogenicity	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. None of the other ingredients in this preparation are classified as carcinogens according to ACGIH, EU, IARC, MAK, NTP or OSHA. Carbon black is present only in a bound form in this preparation. Based on available data, the classification criteria are not met.
• Mutagenic properties /Mutagenicity	Based on available data, the classification criteria are not met.
• 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	Not available.
• Aspiration hazard	Based on available data, the classification criteria are not met.

12. Ecological information

A. Ecotoxicity

Components	Species	Test Results
Dodecyl acrylate (CAS 2156-97-0)		
<i>Acute</i>		
ErC50	Pseudokirchneriella subcapitata	> 0.274 µg/l, 72 h (OECD 201)
LC50	Leuciscus idus	460 mg/l, 96 h (DIN 38 412, part L 15, 1982)
NOEC	Leuciscus idus	215 mg/l, 96 h (DIN 38 412, part L 15, 1982)
<i>Chronic</i>		
LOEC	Daphnia magna	> 0.25 µg/l, 21 d (OECD 211)
Aquatic		
<i>Chronic</i>		
Crustacea	Daphnia magna	0.25 µg/l, 21 d (OECD 211)
Fish	Danio rerio	> 1 µg/l, 36 d (OECD 210)
Phenyl, Bis(2,4,6-trimethylbenzoyl)-phosphine oxide (CAS 162881-26-7)		
<i>Acute</i>		
EC50	Desmodesmus subspicatus	> 260 µg/l, 72 h (OECD 201)
LC50	Danio rerio	> 90 µg/l, 96 h (OECD 203)
NOEC	Desmodesmus subspicatus	> 260 µg/l, 72 h (OECD 201)
Aquatic		
<i>Acute</i>		
Crustacea	Daphnia magna	> 1175 µg/l, 48 h (OECD 202)
<i>Chronic</i>		
Crustacea	Daphnia magna	>= 8.1 µg/l, 21 d (OECD 211)
Aquatic toxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
B. Persistence/degradability	Not available.	
C. Bioaccumulative potential		
Bioconcentration factor		
Dodecyl acrylate	2.34, (EPA Epiwin (v.4.11))	
Phenyl, Bis(2,4,6-trimethylbenzoyl)-phosphine oxide	5, (similar to OECD 305 C)	
D. Mobility in soil	Not available.	
E. Other adverse effects	Not available.	

13. Disposal considerations

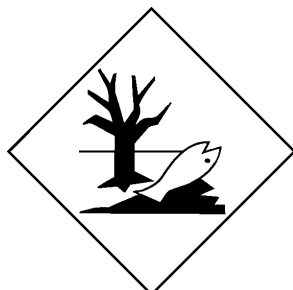
A. Method of disposal	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
B. Disposal considerations (including disposal of contaminated containers or packaging)	Not available.

14. Transport information

DOT	
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
Environmental hazards	
Marine pollutant	Yes
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, Propiophenone derivative)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
Special precautions for user	Not available.
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	Not available.
Special precautions for user	Not available.
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.



Marine pollutant



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

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

A. Source of information

Not available.

B. Issue date

01-Jun-2013

C. Number of revisions and date of most recent revision

27-Apr-2021 (07 revision)

D. Other

Not available.

Disclaimer

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Revision information

1. Product and Company Identification: EU Poison Center

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