



SAFETY DATA SHEET

1. 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. ***	
Name of the substance or mixture (trade name)	CP831Series	
Synonyms	HP HDR250 Black Scitex Ink Cartridge	
Major recommended uses for the substance or mixture	Inkjet printing	
Specific restrictions for use of the substance or mixture	Not available.	
Manufacturer/Importer/Distributor information		
Company identification	HP Colombia SAS Carrera 7 No 99-53 Torre B Pisos 7 Bogota, Colombia	
Telephone	(57) 1 639 0000	
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

Classification of the substance or mixture

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 2
	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	

GHS labeling elements, including precautionary statements

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 cause respiratory irritation. Suspected of damaging fertility. Suspected of damaging the unborn child. Toxic to aquatic life with long lasting effects. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.

Precautionary statement(s)

Prevention

Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid release to the environment.

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention/advice. 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.

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. 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

Mixture

Common chemical name or technical name	CAS number	Concentration or concentration range
Acrylic acid ester	Proprietary	<30
Vinylcaprolactam	Proprietary	<20
Octyl decyl acrylate	Proprietary	<15
Acrylate ester 6	Proprietary	<7.5
Black Pigment	Proprietary	<5
Butyl substituted ethyl acrylate	Proprietary	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	Proprietary	<5
Urethane acrylate oligomer A	Proprietary	<5
Urethane acrylate oligomer B	Proprietary	<5
Thioxanthone derivative	Proprietary	<2.5
Glycerol, propoxylated, esters with acrylic acid	Proprietary	<1
Substituted Phosphine Oxide	Proprietary	<1

Composition comments

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

4. First-aid measures

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.

Notes to physician

Not available.

5. Fire-fighting measures

Means of fire extinguishing

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 available.

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

Protective measures taken by firefighting crews Not available.

6. Control measures for spills and leaks

Personal precautions, protective equipment and emergency procedures

To be taken by those who are not involved in rendering emergency services Wear appropriate personal protective equipment. Do not touch or walk through spilled material.

To be taken by those who are involved in rendering emergency services 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.

Methods and materials for containment and cleaning up Not available.

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

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

Control parameters

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Black Pigment	TWA	3 mg/m ³	Inhalable fraction.

Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace

Components	Type	Value	Form
Black Pigment	TWA	3 mg/m ³	Inhalable fraction.

Ecuador. OELs (INEN 2266:2013, 2013-01 2nd rev.: Transport, storage and handling of hazardous materials. Requirements. 1st ed., 1/29, 2013)

Components	Type	Value	Form
Black Pigment	TWA	3 mg/m ³	Inhalable fraction.

Paraguay. Decree No. 14.390/92 that approves the General Technical Regulation of Safety, Hygiene and Medicine in the Workplace

Components	Type	Value	Form
Black Pigment	TWA	3 mg/m ³	Inhalable fraction.

Peru. OELs. Decreto Supremo 015-2005-SA (Reglamento sobre Valores Límites Permisibles para Agentes Químicos en el Ambiente de Trabajo)

Components	Type	Value
Black Pigment	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.
Personal protective measures	
Eyes and 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.
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.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Black.
Odor	Characteristic.
Odor threshold	Not available.
pH	6.8 - 7.2 Metler Toledo pH Meter. Temperature 25°C
Melting point/freezing point	Not available.
Initial boiling point and boiling temperature range	Not available.
Flash point	> 230.0 °F (> 110.0 °C) Closed Cup EPA Method 1020
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	12.5 - 13.5 cP Cone and Plate Rheometer, Temperature 50°C. C60/1° Sensor. Values recorded at 4000 1/s.
Other physical and chemical parameters	
VOC	19 g/L Method 24/ASTM D5403-93

10. Stability and reactivity

Reactivity	Not available.
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

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes skin irritation. May cause sensitization by skin contact.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion is not a likely route of exposure.

Symptoms Not available.

Acute toxicity May be harmful if swallowed. May be harmful in contact with skin.

Components	Species	Test Results
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Black Pigment

Acute

Oral

LD50	Rat	> 10000 mg/kg
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Vinylcaprolactam

Acute

Dermal

LD50	Rabbit	1700 mg/kg
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Inhalation

LC50	Rat	> 1.6 mg/l
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Oral

LD50	Rat	1114 mg/kg
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Skin irritation and corrosion Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye irritation. Caused moderate irritation in rabbit (OECD 405).

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.

ACGIH Carcinogens

Black Pigment (CAS Proprietary)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace

Black Pigment (CAS Proprietary)	A3 Animal carcinogen.
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Ecuador. OELs (INEN 2266:2013, 2013-01 2nd rev.: Transport, storage and handling of hazardous materials. Requirements. 1st ed., 1/29, 2013)

Black Pigment (CAS Proprietary)	Group A3 Confirmed animal carcinogen with unknown relevance to humans.
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IARC Monographs. Overall Evaluation of Carcinogenicity

Black Pigment (CAS Proprietary)	2B Possibly carcinogenic to humans.
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Paraguay. Decree No. 14.390/92 that approves the General Technical Regulation of Safety, Hygiene and Medicine in the Workplace

Black Pigment (CAS Proprietary)	A3 Confirmed animal carcinogen with unknown relevance to humans.
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Toxic to reproduction Suspected of damaging the unborn child. Suspected of damaging fertility.

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.
Other 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

Components		Species	Test Results	
Acrylic acid ester <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 <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)
	Substituted Phosphine Oxide <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		EC50	Daphnia magna	> 1175 µg/l, 48 h (OECD 202)
<i>Chronic</i> Crustacea		NOEC	Daphnia magna	>= 8.1 µg/l, 21 d (OECD 211)

Persistence and degradability Not available.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow) Not available.

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)
 Substituted Phosphine Oxide 5, (similar to OECD 305 C)

Mobility in soil Not available.

Other adverse effects Not available.

13. Considerations on final disposal

Recommended methods for final destination

Residual waste	Not available.
Contaminated packaging	Not available.
Local disposal regulations	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.

14. Transport information

DOT

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
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.

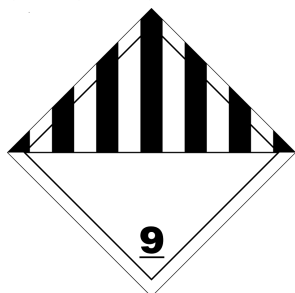
IMDG

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.

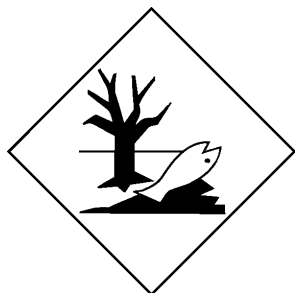
ADR

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; DOT; IATA; IMDG



Marine pollutant



15. Regulatory information

Federal regulations

Colombia. Controlled Substances (Resolution No. 009 of 1987 nationally regulating the transport & use of substances in subparag. f) of article 20 of Law 30 of 1986, as amended)

Not listed.

Venezuela. Chemical Precursors (Official Gazette No. 34.741, List I & II)

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.

Montreal Protocol

Not applicable.

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

Significant information, yet not specifically related to the previous sections Not available.

Revision information

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

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.

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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