



# SAFETY DATA SHEET

## 1. Identification

<b>Important information</b>	*** 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. ***	
<b>GHS product identifier</b>	CP831Series	
<b>Version #</b>	07	
<b>Issue date</b>	18-Jul-2016	
<b>Revision date</b>	21-Apr-2021	
<b>Supersedes date</b>	30-Jan-2020	
<b>Recommended use</b>	Inkjet printing	
<b>Recommended Restrictions</b>	Not available.	
<b>Synonym(s)</b>	HP HDR250 Black Scitex Ink Cartridge	
<b>Manufacturer</b>	HP Deutschland GmbH Schickardstrasse 32 71034 Böblingen Germany	
<b>HP Inc. health effect line (Toll-free within US) (Direct)</b>	1-800-457-4209 1-760-710-0048	
<b>HP Inc. Customer Care Line (Toll-free within the US) (Direct)</b>	1-800-474-6836 1-208-323-2551	
<b>Email:</b>	hpcustomer.inquiries@hp.com	

## 2. Hazards identification

<b>GHS classification</b>		
<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	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
<b>Environmental hazards</b>	Hazardous to the aquatic environment, long-term hazard	Category 2

### GHS label elements

**Signal word** Danger



**Hazard statement** 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

### 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.

The classification of this mixture as a reproductive category 2 (H361) is based on the harmonized classification of diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide as mentioned in Annex VI of Regulation (EC) No.1272/2008.

Recent test data for diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide presented on the EU REACH Dossier suggest that classification as reproductive category 1B (H360) is more suitable. This would lead to mixture classification of the product as reproductive category 1B (H360).

The lead registrant has updated the REACH dossier and requested that the Swedish authority start the process of amending the harmonized classification. This SDS was updated according to guidance of the Swedish Chemicals Agency. Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

### Supplemental information

None.

## 3. Composition/information on ingredients

Components	CAS #	Percent
2-phenoxyethyl acrylate	48145-04-6	<30
1-vinylhexahydro-2H-azepin-2-one	2235-00-9	<20
Reaction mass of decyl acrylate and octyl acrylate	Not available	<15
exo-1,7,7-trimethylbicyclo[2.2,1]hept-2-yl acrylate	5888-33-5	<7.5
2-propenoic acid, reaction products with pentaerythritol	1245638-61-2	<5
2-Propenoic acid, reaction products with pentaerythritol and TDI	68412-43-1	<5
Butyl substituted ethyl acrylate	Proprietary	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	<5
2-isopropyl-9H-thioxanthen-9-one	5495-84-1	<2.5
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	<1
Phenyl, Bis(2,4,6-trimethylbenzoyl)-phosphine oxide	162881-26-7	<1

### Composition comments

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

## 4. First aid measures

### First aid procedures

#### Inhalation

Move to fresh air. If symptoms persist, get medical attention.

#### Skin

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

#### Eye

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 and effects, both acute and delayed

Not available.

### Notes to physician

Not available.

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## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dry powder. Carbon dioxide (CO <sub>2</sub> ). Water may be ineffective.
<b>Unsuitable extinguishing media</b>	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</b>	Not available.
<b>Protective equipment and precautions for firefighters</b>	Not available.
<b>Protection of fire-fighters</b>	Avoid runoff into storm sewers and ditches which lead to waterways.

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## 6. Accidental release measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
<b>Environmental precautions</b>	Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
<b>Methods for containment</b>	Not available.
<b>Methods for cleaning up</b>	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

<b>Handling</b>	Avoid contact with skin, eyes and clothing.
<b>Storage</b>	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

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Exposure limits have not been established for this product.
<b>Recommended monitoring procedures</b>	Not available.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
<b>Skin protection</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Recommended gloves: Nitrile 6 mil minimum thickness.

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## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Color</b>	Black.
<b>Form</b>	Liquid.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	6.8 - 7.2 Metler Toledo pH Meter. Temperature 25°C
<b>Melting point/Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	> 230.0 °F (> 110.0 °C) Closed Cup EPA Method 1020
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.

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<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	12.5 - 13.5 cP Cone and Plate Rheometer, Temperature 50°C. C60/1° Sensor. Values recorded at 4000 1/s.
<b>VOC (Weight %)</b>	19 g/L Method 24/ASTM D5403-93

## 10. Stability and reactivity

<b>Chemical stability</b>	Stable under normal storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization can occur with decreased inhibitor content.
<b>Conditions to avoid</b>	Exposure to sunlight.
<b>Incompatible materials</b>	Incompatible with strong bases and oxidizing agents. alkaline metals
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Toxicological data

Components	Species	Test Results
1-vinylhexahydro-2H-azepin-2-one (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>Acute toxicity</b>	May be harmful if swallowed. May be harmful in contact with skin.	
<b>Skin corrosion/irritation</b>	Causes skin irritation.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation. Caused moderate irritation in rabbit (OECD 405).	
<b>Respiratory sensitizer</b>	Based on available data, the classification criteria are not met.	
<b>Skin sensitization</b>	May cause sensitization by skin contact.	
<b>Mutagenicity</b>	Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>	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.	
<b>Reproductive toxicity</b>	Suspected of damaging the unborn child. Suspected of damaging fertility.	
<b>Specific target organ toxicity - single exposure</b>	May cause irritation to the respiratory system.	
<b>Specific target organ toxicity - repeated exposure</b>	Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure.	
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.	
<b>Other information</b>	Complete toxicity data are not available for this specific formulation	

## 12. Ecological information

### Ecotoxicological data

Components	Species	Test Results
2-phenoxyethyl acrylate (CAS 48145-04-6)		
<i>Acute</i>		
EC10	Desmodemus subcapitatus	0.71 mg/l, 72 h (DIN 38412 L9)
EC50	Desmodemus subcapitatus	4.44 mg/l, 72 h (DIN 38412 L9)
LC50	Leuciscus idus	10 mg/l, 96 h (DIN 38 412)

Components		Species	Test Results
	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)
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)
<b>Aquatic</b>			
<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)

#### Bioaccumulation

##### 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)
Phenyl, Bis(2,4,6-trimethylbenzoyl)-phosphine oxide	5, (similar to OECD 305 C)

**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.

### 13. Disposal considerations

<b>Disposal methods</b>	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.
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### 14. Transport information

#### DOT

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates), MARINE POLLUTANT
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>Special precautions for user</b>	Not available.

**DOT Supplemental Information** DOT Classification only applies to shipments within the US and Puerto Rico.

#### IATA

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-

**Packing group** III  
**Environmental hazards** Yes  
**Special precautions for user** Not available.

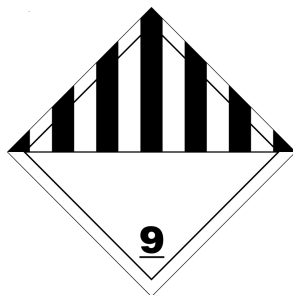
#### IMDG

**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.

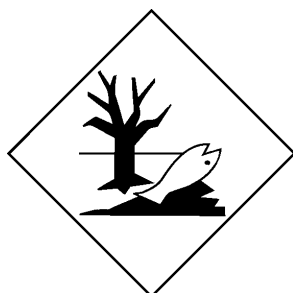
#### ADR

**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



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## 15. Regulatory information

### 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.

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## 16. Other information

### 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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### SDS sections updated

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