




SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation	CP831Series
Synonym(s)	HP HDR250 Black Scitex Ink
CAS #	Mixture
Issue date	13-Feb-2015
Revision date	03-Aug-2015
Version #	05
Product Use	Inkjet printing
Company identification	Hewlett-Packard India Sales Private Limited 4Fl, 24 Salapuria Arena, Hosur Main Road Bangalore, Karnataka, India 560030 Telephone (080) 33824000 / 33829000 HP health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-760-710-0048 HP 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	Xn;R48/20, Xi;R36/37/38, R43, N;R51/53
Physical hazards	Not classified as a physical hazard.
Health hazards	Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Environmental hazards	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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. Suspected of damaging fertility. May cause respiratory irritation. Causes damage to organs (liver, respiratory system) through prolonged or repeated exposure. 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. P202 - Do not handle until all safety precautions have been read and understood. P201 - Obtain special instructions before use. 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.
 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.
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P308 + P313 - IF exposed or concerned: Get medical attention/advice.
 P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
 P391 - Collect spillage.
 P362 - Take off contaminated clothing and wash before reuse.

Storage

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

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

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

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 components present in this formulation at concentrations equal to or greater than 0.1% are listed by EU, MAK, IARC, NTP or OSHA.

Diphenyl (2,4,6-trimethylbenzoyl) phosphineoxide - In animal testing, risk of impaired fertility was shown only after repeated ingestion of very high doses of this substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent	EC-No.	Classification
Acrylic acid ester	48145-04-6	<30	256-360-6	R43, N;R51/53
Vinyl caprolactam (VCAP)	2235-00-9	<20	218-787-6	T;R48/23, Xn;R21/22, Xi;R36, R43
Octyl decyl acrylate	Proprietary	<15		Xi;R36/37/38, R43, N;R51/53
Acrylate ester	5888-33-5	<7.5	227-561-6	Xi;R36/37/38, R43, N;R50/53
Aliphatic urethane acrylate	Proprietary	<5	264-036-0	Xi;R36/37/38
Carbon black	1333-86-4	<5	215-609-9	
Diphenyl (2,4,6 - trimethylbenzoyl) phosphine	75980-60-8	<5	278-355-8	Repr. Cat. 3;R62, R43, N;R51/53
Urethane acrylate oligomer A	Proprietary	<5	270-188-9	Xi;R36/38
Urethane acrylate oligomer B	Proprietary	<5		Xn;R22, Xi;R38-41, R43, N;R51/53
Acrylated oligoamine resin	Proprietary	<2.5		Xi;R36/38
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	<1	500-114-5	Xn;R22, Xi;R36, R43
Substituted phosphine oxide	Proprietary	<1	423-340-5	R43, R53

Composition comments

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

4. 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.

5. FIRE-FIGHTING MEASURES**Flash point**

> 230.0 °F (> 110.0 °C) Closed Cup

Suitable extinguishing media

Dry powder. Carbon dioxide (CO2). Water may be ineffective.

Extinguishing media which must not be used for safety reasons

Water may be ineffective. Do not use a solid water stream as it may scatter and spread fire.

Unusual fire & explosion hazards	None known.
Fire fighting equipment/instructions	Avoid runoff into storm sewers and ditches which lead to waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
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 for 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.
Other information	Soak up with inert absorbent material. Dispose of in compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing.
Storage	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

Recommended monitoring procedures

Additional exposure data	Exposure limits have not been established for this product.
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Personal protective equipment

Respiratory protection	Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.
Hand protection	Wear appropriate chemical resistant gloves.
Eye protection	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.
Skin and 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

Appearance	
Physical state	Liquid.
Color	Black.
Odor	Characteristic.
pH	Not available.
Melting point/Freezing point	Not available.
Boiling point, initial boiling point, and boiling range	Not available.
Flash point	> 230.0 °F (> 110.0 °C) Closed Cup
Auto-ignition temperature	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Specific gravity	Not available.
Solubility	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Other data	
VOC (Weight %)	18 g/L Method 24/ASTM D5403-93

10. STABILITY AND REACTIVITY

Conditions to avoid	Exposure to sunlight.
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Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Stability	Stable under normal storage conditions.
Materials to avoid	Incompatible with strong bases and oxidizing agents. alkaline metals
Hazardous polymerization	Hazardous polymerization can occur with decreased inhibitor content.

11. TOXICOLOGICAL INFORMATION

Acute toxicity	May be harmful if swallowed. May be harmful in contact with skin.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation. Caused moderate irritation in rabbit (OECD 405).
Respiratory sensitizer	Based on available data, the classification criteria are not met.
Skin sensitizer	May cause sensitization by skin contact.
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. Carbon black is present only in a bound form in this preparation. Based on available data, the classification criteria are not met

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4)

2B Possibly carcinogenic to humans.

Mutagenicity	Based on available data, the classification criteria are not met.
Reproductivity	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 toxicity	Based on available data, the classification criteria are not met.
Further information	Complete toxicity data are not available for this specific formulation

Toxicological data

Components	Species	Test Results
Carbon black (CAS 1333-86-4)		
Acute		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg

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.
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13. DISPOSAL CONSIDERATIONS

Disposal instructions	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

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

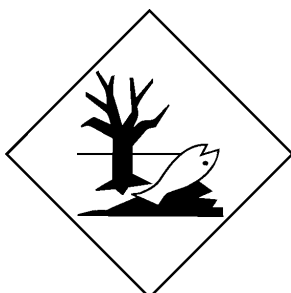
UN number	UN3082
UN proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
Transport hazard class(es)	
Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	Yes
Special precautions for user	Not available.

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
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
Special precautions for user	Not available.

ADR

Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S. (Acrylates)
Hazard class	9
UN number	3082
Packing group	III
Marine pollutant	Yes

DOT; IATA; IMDG**ADR****Marine pollutant**

15. REGULATORY INFORMATION

Labeling

Contains

Acrylate ester, Acrylated oligoamine resin, Acrylic acid ester, Aliphatic urethane acrylate, Carbon black, Diphenyl (2,4,6 - trimethylbenzoyl) phosphine, Glycerol, propoxylated, esters with acrylic acid, Octyl decyl acrylate, Substituted phosphine oxide, Urethane acrylate oligomer A, Urethane acrylate oligomer B, Vinyl caprolactam (VCAP)

Symbol(s)



Harmful



Dangerous for the environment

R-phrases(s)

R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitization by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S24/25 Avoid contact with skin and eyes.
S36 Wear suitable protective clothing.
S51 Use only in well-ventilated areas.
S57 Use appropriate container to avoid environmental contamination.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

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

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.

Wording of the R-phrases in sections 2 and 3

R21/22 Harmful in contact with skin and if swallowed.
R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitization by skin contact.
R43 May cause sensitization by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 May cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.

Prepared by

HP

Issue date

13-Feb-2015

Revision date

03-Aug-2015

Version

05

This data sheet contains changes from the previous version in section(s):

OTHER INFORMATION: Disclaimer

Manufacturer information

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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