



SAFETY DATA SHEET

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

Identification of the substance/preparation CP514 Series

Use of the substance/preparation Inkjet printing

Version # 02

Revision date 06-Dec-2013

Synonym(s) HP Scitex FB221 Black Ink

CAS # Mixture

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2. HAZARDS IDENTIFICATION

Classification Xi;R36/37/38, R52/53

Physical hazards Not classified as a physical hazard.

Health hazards Irritating to eyes, respiratory system and skin.

Environmental hazards Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Emergency overview Irritating to eyes, respiratory system and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent	EC-No.	Classification
Ethoxylated Trimethylolpropane Triacrylate	28961-43-5	<25	500-066-5	
Neopentylglycol propoxylate diacrylate	84170-74-1	<25		R43, N;R51/53
Acrylate Ester	Proprietary	<20	Proprietary	Xi;R36/37/38, N;R51/53
N-vinylcaprolactam	2235-00-9	<20	218-787-6	Xn;R22, Xi;R36
Propiophenone derivative	Proprietary	<5	Proprietary	Xn;R22, N;R51/53
Acrylated Oligoamine Resin	Proprietary	<2.5		Xi;R36/38
Black pigment	Proprietary	<2.5	Proprietary	
Diphenyl (2,4,6-trimethylbenzoyl) phosphine	75980-60-8	<2.5	278-355-8	Repr. Cat. 3;R62
Photo Initiator	Proprietary	<2.5	Proprietary	
Fragrance	Proprietary	<1	Proprietary	R43, N;R51/53

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.
General advice	No information

5. FIRE-FIGHTING MEASURES

Flash point	> 149.00 °F (> 65.00 °C) Closed Cup
Suitable extinguishing media	Dry powder. Carbon dioxide (CO ₂). Water may be ineffective.
Extinguishing media which must not be used for safety reasons	Water.
Unusual fire & explosion hazards	None known.
Special protective equipment for fire-fighters	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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Israel. OELs (Labor Inspection Regs. (Occup. & Bio. Monitoring of those Working with Hazardous Materials), Appendix 2, 1990, as amended)

Components	Type	Value
Black pigment (CAS Proprietary)	TWA	3.5 mg/m ³

Recommended monitoring procedures

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

Personal protective equipment

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Not available.
Physical state	Liquid.
Form	Liquid.

Color	Black.
Odor	Characteristic.
Odor threshold	Not available.
pH	Not available.
Boiling point	Not available.
Flash point	> 149.00 °F (> 65.00 °C) Closed Cup
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not available.
Evaporation rate	Not available.
Melting point/Freezing point	Not available.
Auto-ignition temperature	Not available.
VOC	< 95 g/L

10. STABILITY AND REACTIVITY

Conditions to avoid	Exposure to sunlight.
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.
Hazardous polymerization	Hazardous polymerization can occur with decreased inhibitor content.

11. TOXICOLOGICAL INFORMATION

Toxicological data	Species	Test Results
Components		
Black pigment (CAS Proprietary)		
Acute		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg
Toxicological information	Not available.	
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.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Black pigment (CAS Proprietary)	2B Possibly carcinogenic to humans.	
Further information	Complete toxicity data are not available for this specific formulation	

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available.
Aquatic toxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. Dispose of in compliance with Israeli Ministry of the Environment and local regulations.
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14. TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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.

Labeling

Contains

Acrylate Ester, Acrylated Oligoamine Resin, Black pigment, Diphenyl (2,4,6-trimethylbenzoyl) phosphine, Ethoxylated Trimethylolpropane Triacrylate, Fragrance, Neopentylglycol propoxylate diacrylate, N-vinylcaprolactam, Photo Initiator, Propiophenone derivative

Symbol(s)



Irritant

R-phrases(s)

R36/37/38 Irritating to eyes, respiratory system and skin.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S24/25 Avoid contact with skin and eyes.
S51 Use only in well-ventilated areas.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

16. OTHER INFORMATION

Wording of the R-phrases in sections 2 and 3

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.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.

Other information

This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of Hewlett-Packard Company. Data is the most current known to Hewlett-Packard Company 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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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