



Material Safety Data Sheet

1. Product and Company Identification

Material name	40-6484
Use of the preparation	Inkjet printing
Version #	02
Revision date	24-Oct-2009
Synonym(s)	HP XP230 Spcl BB Black Scitex Ink
Company identification	Hewlett-Packard Company 3000 Hanover Street Palo Alto, CA 94304-1185 United States Telephone 650-857-1501 Hewlett-Packard health effects line (Toll-free within the US) 1-800-457-4209 (Direct) 1-503-494-7199 HP Customer Care Line (Toll-free within the US) 1-800-474-6836 (Direct) 1-208-323-2551 Email: hpcustomer.inquiries@hp.com
Date prepared	Oct 24, 2009
MSDS number	559855

2. Hazards Identification

Acute health effects

Skin contact	Irritating to skin. May cause sensitization by skin contact.
Eye contact	Risk of serious damage to eyes.
Inhalation	Irritating to respiratory system.

Potential health effects

Carcinogenicity	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.
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3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Acrylate mixture	Proprietary	< 20
Amine modified polyetheracrylate	Proprietary	< 20
Isobornyl acrylate	5888-33-5	< 20
vinyl caprolactam (VCAP)	Mixture	< 20
Lauryl acrylate	2156-97-0	< 7.5
Tetrahydrofurfuryl Acrylate	2399-48-6	< 7.5
Black Pigment	Proprietary	< 5
Substituted phosphine oxide	Proprietary	< 5
Benzoic acid, 4-(dimethylamino)-, ethyl ester	10287-53-3	< 2.5
Propiophenone derivative	Proprietary	< 2.5
Dispersing agent	Proprietary	< 1
Composition comments	Carbon black is present only in a bound form in this preparation.	

4. First Aid Measures

First aid procedures

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

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

Ingestion If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

5. Fire Fighting Measures

Flash point and method > 212 °F (> 100 °C)

Flammable properties None known.

Extinguishing media

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

Unsuitable extinguishing media Water.

Unusual fire and explosion hazard None known.

Protection of firefighters

Protective equipment and precautions for firefighters Avoid runoff into storm sewers and ditches which lead to waterways.

6. Accidental Release Measures

Personal precautions Wear appropriate personal protective equipment.

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

Other information Soak up with inert absorbent material. Slowly vacuum or sweep the material into a bag or other sealed container.

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

Occupational exposure limits

ACGIH

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

U.S. - OSHA

Components	Type	Value
Black Pigment (Proprietary)	PEL	3.5 mg/m ³
	TWA	3.5 mg/m ³

Exposure guidelines Exposure limits have not been established for this product.

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

Personal protective equipment

General Avoid contact with the skin and the eyes. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. when making new working solution



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9. Physical & Chemical Properties

Appearance	Liquid.
Odor	Characteristic.
Odor threshold	Not available.
Physical state	Not available.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	> 212 °F (> 100 °C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	< 95 g/L

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal storage conditions.
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.
Possibility of hazardous reactions	Hazardous polymerization can occur with decreased inhibitor content.

11. Toxicological Information

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

IARC Monographs: Evidence of carcinogenicity in humans

Black Pigment (Proprietary) Inadequate data.

US ACGIH Threshold Limit Values: A4 carcinogen

Black Pigment (Proprietary) Group A4 Not classifiable as a human carcinogen.



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Symptoms and target organs

Target Organs (NIOSH)

Black Pigment (Proprietary) Eyes
Black Pigment (Proprietary) Respiratory system

12. Ecological Information

Aquatic toxicity Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
Persistence and degradability Not available.

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.

14. Transport Information

Department of Transportation (DOT) Requirements

Not regulated as hazardous goods.

IATA

Proper shipping name Environmentally Hazardous Substance, Liquid, N.O.S.
(Isobornyl acrylate, Lauryl acrylate)
Hazard class 9
UN number 3082
Packing group III



15. Regulatory Information

US federal regulations All ingredients are listed or exempt

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

International regulations Notified according to EU Regulations.

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Black Pigment (Proprietary) Listed.

16. Other Information

HMIS® ratings Health: 2*
Flammability: 1
Physical hazard: 2



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NFPA ratings Health: 2
Flammability: 1
Instability: 2

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Revision 2

Replaces sheet dated Oct 13 2009 10:21AM

Manufacturer information HP Scitex
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Other information This MSDS was prepared in accordance with USA OSHA Hazard Communications regulation (29 CFR 1910.1200).

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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