



Material Safety Data Sheet

1. Product and Company Identification

Material name	hp ElectroInk Brown 007 US MPS-3182-41
Use of the preparation	For use with HP Indigo Press series 3000-5000
Version #	03
Revision date	04-06-2009
Product use	ink for digital press series 3000 - 5000
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: hpcustomerinquiries@hp.com
Date prepared	Apr 06, 2009
MSDS number	188665

2. Hazards Identification

Emergency overview	Contact with skin and eyes may result in irritation.
Acute health effects	
	Any potential hazards are presumed to be due to exposure to the components.
Skin contact	<i>Petroleum hydrocarbon</i> Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
Eye contact	<i>Petroleum hydrocarbon</i> Slightly irritating but does not injure eye tissue. Direct contact with the eye may cause discomfort and redness.
Inhalation	As a paste, the risk for lung damage is unlikely. <i>Petroleum hydrocarbon</i> Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Ingestion	<i>Petroleum hydrocarbon</i> Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.
Potential health effects	
Routes of exposure	Potential routes of exposure to this product are skin and eye contact, ingestion and inhalation.
Chronic health effects	Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.
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.
Other information	All pigments are resin coated and therefore, there is no azodye exposure in normal use.



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3. Composition / Information on Ingredients

Component/substance	CAS number	% by weight
Petroleum hydrocarbon	90622-58-5	< 80
Trade Secret	Proprietary	< 20
C.I.P.O. 64 No.12760	72102-84-2	< 2.5
Carbon black	1333-86-4	< 1

Composition comments

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

This product has been evaluated using criteria specified in 29 CFR 1910.1200 (Hazard Communication Standard).

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. Do not apply neutralizing agents.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
Inhalation	If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. If ingestion of a large amount does occur, seek medical attention.

5. Fire Fighting Measures

Flash point and method	> 147.2 °F (> 64 °C) (based on petroleum hydrocarbon); Pensky-Martens Closed Cup
Hazardous combustion products	Refer to section 10.
Extinguishing media	
Suitable extinguishing media	Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.
Unsuitable extinguishing media	None known.
Protection of firefighters	
Specific hazards arising from the chemical	None known.
Protective equipment and precautions for firefighters	Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance.

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. Dispose of in compliance with federal, state, and local regulations. See also section 13 Disposal considerations.

7. Handling and Storage

Handling	Avoid prolonged or repeated skin contact with this material. Avoid contact with skin, eyes and clothing. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges.
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Storage

Keep away from excessive heat or cold. Store in a cool and shaded area. Do not store in direct sunlight.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components

	Type	Value
Trade Secret (Proprietary)	STEL	143 mg/m ³
	TWA	3 mg/m ³

Exposure guidelines

Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 75%. TWA = 171ppm (1200 mg/m³).

Personal protective equipment

General

Use personal protective equipment to minimize exposure to skin and eye.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Paste
Color	brown
Odor	mild hydrocarbon-like
Odor threshold	Not available.
Physical state	Solid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	370.4 °F (188 °C) (based on petroleum hydrocarbon)
Flash point	> 147.2 °F (> 64 °C) (based on petroleum hydrocarbon); Pensky-Martens Closed Cup
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	0.825 g/mL
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 392 °F (> 200 °C) (based on petroleum hydrocarbon)
Decomposition temperature	Not available.
VOC	650 g/L

10. Chemical Stability & Reactivity Information

Chemical stability

Stable under recommended storage conditions.

Incompatible materials

This product may react with strong oxidizing agents.



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Hazardous decomposition products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Possibility of hazardous reactions

Will not occur.

11. Toxicological Information

Toxicological information

Refer to Section 3 for potential health effects and Section 4 for first aid measures.

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 on Occupational Exposures to Chemical Agents: Evidence of carcinogenicity in humans

Carbon black (1333-86-4) Inadequate data.

US ACGIH Threshold Limit Values: A4 carcinogen

Carbon black (1333-86-4) Group A4 Not classifiable as a human carcinogen.

Symptoms and target organs

Target Organs (NIOSH)

Carbon black (1333-86-4)

Eyes

Carbon black (1333-86-4)

Respiratory system

12. Ecological Information

Aquatic toxicity

This product has not been tested for ecological effects.

Persistence and degradability

Not available.

13. Disposal Considerations

Disposal instructions

Dispose of in compliance with federal, state, and local regulations.

14. Transport Information

IATA

Proper shipping name

Not applicable

Hazard class

Not applicable

UN number

none

Packing group

none

Packaging exceptions

none

General

Not a regulated article under United States DOT, IATA, ADR, IMDG, or RID.

15. Regulatory Information

US federal regulations

US EPA TSCA Inventory: All chemical substances in this product comply with all rules or orders under TSCA.

US TSCA 12(b): Does not contain listed chemicals.

CERCLA (Superfund) reportable quantity

None



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Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

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/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance
Carbon black (1333-86-4) Listed.

16. Other Information

HMIS® ratings Health: 1
Flammability: 2
Physical hazard: 0

NFPA ratings Health: 1
Flammability: 2
Instability: 0

Issue date Apr 6 2009 12:02PM

Revision 3

Replaces sheet dated Apr 2 2009 5:20AM

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MSDS sections updated 1. Product and Company Identification: Use of the preparation
Hazards Identification: Chronic health effects
Hazards Identification: Carcinogenicity
Composition / Information on Ingredients: Composition comments
11. Toxicological Information: Carcinogenicity



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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

Manufacturer information

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