



SAFETY DATA SHEET

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

Identification of the substance/preparation HP ElectroInk® Calibration Liquid calibration liquid

Use of the preparation For use with HP Indigo Press series 1000&2000

Revision date 03-04-2009

Company identification Hewlett-Packard, Ltd.
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Poison Information Center 0207771 5307

2. HAZARDS IDENTIFICATION

Classification Xn, R65, R66

Acute health effects Any potential hazards are presumed to be due to exposure to the components.

Skin contact *Petroleum hydrocarbon*
Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Eye contact *Petroleum hydrocarbon*
Slightly irritating but does not injure eye tissue. Direct contact with the eye may cause discomfort and redness.

Inhalation *Petroleum hydrocarbon*
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Ingestion *Petroleum hydrocarbon*
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 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.

Physical hazards Not classified as a physical hazard.

Health hazards Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

Environmental hazards Not classified as an environmental hazard.

Other information This product is classified for health effects according to EU Directive 1999/45/EC with R65, 66.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU number	EU classification
Petroleum hydrocarbon	90622-58-5	< 100	292-460-6	Xn, R65, 66



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Composition comments

This product has been evaluated using criteria specified in the EU Directives 67/548/EEC and 1999/45/EC, as amended.
For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation	If overcome by vapor, remove person from exposure to fresh air. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. Get medical attention if irritation develops or persists.
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.
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	> 64 °C (> 147.2 °F) (based on petroleum hydrocarbon); Pensky-Martens Closed Cup
Fire fighting equipment/instructions	Move containers from fire area if you can do it without risk. Evacuate area and fight fire from a safe distance.
Suitable extinguishing media	Suitable extinguishing media: Dry chemical, CO2, water spray or regular foam.
Extinguishing media which must not be used for safety reasons	None known.
Hazardous combustion products	Refer to section 10.
Specific hazards	None known.

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.

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.
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

Sweden

Components

	Type	Value
Petroleum hydrocarbon (90622-58-5)	STEL	500 mg/m3
	TWA	350 mg/m3

Additional exposure data Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 95%. TWA = 171ppm (1200 mg/m3).

Personal protective equipment

General

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

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Physical state	Solid.
Form	Not available.
Color	clear
Odor	mild hydrocarbon-like
Odour threshold	Not available.
pH	Not available.
Boiling point	188 °C (370.4 °F) (based on petroleum hydrocarbon)
Flash point	> 64 °C (> 147.2 °F) (based on petroleum hydrocarbon); Pensky-Martens Closed Cup
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.
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Viscosity	Not available.
Vapor density	Not available.
Evaporation rate	Not available.
Melting point	Not available.
Freezing point	Not available.
Auto-ignition temperature	> 200 °C (> 392 °F) (based on petroleum hydrocarbon)
Specific gravity	0.77 g/mL
VOC	760 g/l

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Materials to avoid	This product may react with strong oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Hazardous polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicological information	Refer to Section 3 for potential health effects and Section 4 for first aid measures.
Further information	The ink formulation has not been tested.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	This product has not been tested for ecological effects.
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13. DISPOSAL CONSIDERATIONS

Disposal instructions	Dispose of in compliance with federal, state, and local regulations.
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14. TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

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

Labeling Symbol(s)

Xn 
Harmful

R-phrases(s) R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

S-phrases(s) S23 Do not breathe vapours, aerosols.
S24 Avoid contact with skin.
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Manufacturer information Hewlett-Packard Indigo BV
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List of relevant R phrases R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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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Issue date

03-04-2009

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

HAZARDS IDENTIFICATION: Other information
TOXICOLOGICAL INFORMATION: Further information

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