



Material Safety Data Sheet-Draft

1.0 Product and Company Identification

Identification of the preparation: **hp ElectroInk® Mark 4.0 - Yellow**

Use of the preparation: hp ElectroInk for use with hp indigo press series 3000, 4000,5000.
For use also with indigo UltraStream products.

Company Identification: Hewlett-Packard Company
Limburglaan 5
6221 SH Maastricht
The Netherlands

Emergency telephone number 1-800-457-4209 (USA and Canada)
Hewlett-Packard Health Effects Line: Intl: +1-503-494-7199 (all other areas)
Singapore: +001-800-332-13321

General information telephone number: 1-208-323-2551 (USA and Canada)
Intl: +1-208-323-2551 (all other areas)

Hazard Rating	NFPA/HMIS
Health	1
Flammability	2
Instability/Reactivity	0
Special	none

2.0 Composition/Information on Hazardous Ingredients

Component/Substance	CAS Number	EU Number	% by Weight	EU Classification
Petroleum hydrocarbon	90622-58-5	292-460-6	>70	Xn; R65-66
C.I.P.Y.185 No. 56290, resin coated	76199-85-4	278-388-8	<3	Not classified
C.I.P.Y.139 No. 56298, resin coated	36888-99-0	253-256-2	<1	Not classified

3.0 Hazard Identification

Routes of Exposure: Potential routes of exposure to this product are skin and eye contact, ingestion and inhalation. High vapor concentrations are irritating to the eyes and the respiratory tract and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.



Material Safety Data Sheet-Draft

Acute Health Hazards: Any potential hazards are presumed to be due to exposure to the components. The product is practically non-toxic if swallowed. As a paste, the risk for lung damage by ingestion is unlikely

Petroleum hydrocarbon:
Eye: causes eye irritation
Skin: Prolonged or repeated skin contact may cause skin dryness, possibly leading to irritation and dermatitis.
Ingestion: Absorption of high quantities can cause vomiting and nausea.
Inhalation: exposure to high concentrations can cause dizziness, headache, coughing, CNS depression, narcosis and respiratory difficulties.

C.I.P.Y.185 No. 56290:
LD50 (oral, rat): >5000 mg/kg

C.I.P.Y.139 No. 56298:
LD50 (oral, rat): >10000 mg/kg

Chronic Health Hazards Prolonged or repeated skin contact may cause irritation, dry skin, skin rash and inflammation.

Carcinogenicity: None of the components have been classified as carcinogens according to EU, MAK, NTP, and OSHA criteria.

4.0 First Aid Measures

Emergency telephone number	1-800-457-4209 (USA and Canada)
Hewlett-Packard Health Effects Line:	Intl: +1-503-494-7199 (all other areas) Singapore: +001-800-332-13321

Inhalation: If overcome by vapor, remove person from exposure to fresh air. If breathing is irregular or has stopped, start resuscitation and administer oxygen. Get medical attention immediately.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin: Immediately wash skin with plenty of water and soap while removing contaminated clothing and shoes. Wash clothing separately before reuse. Do not remove clothing if it sticks to the skin.
Get medical attention, if skin irritation persists.

Eyes: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Do not apply neutralizing agents. Get medical attention, if irritation persists.



Material Safety Data Sheet-Draft

5.0 Fire Fighting Measures

Extinguishing media:	Use water spray, polyvalent foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media:	No data available.
Special Firefighting Procedures:	Heat/fire exposure - compressed air/oxygen apparatus. Large spills/in enclosed spaces - compressed air apparatus.
Unusual fire and explosion hazards:	Involving a fire hazard. On burning: release of harmful gases/vapors (CO and CO ₂). Gas/vapor flammable with air within explosion limits.
Auto-ignition temperature:	>390° F, >200° C (based on petroleum hydrocarbon)
Flashpoint (method):	>147° F, >64° C (TCC) (based on petroleum hydrocarbon)
Hazardous Combustion Products:	Refer to section 10.

6.0 Accidental release measures

Spill or Leak Procedures:	Take up liquid spill into adsorbent material, e.g. sand/earth. Scoop adsorbed substance into closing containers. Take collected spill to manufacturer/competent authority. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
Environmental Precautions:	Substance must not be discharged into the sewer. Collect/pump leaking substance into suitable containers. Plug the leak, cut off the supply.

7.0 Handling and Storage

Storage Temperature:	59°F to 95°F; 15°C to 35°C
Handling and Storage precautions:	Avoid prolonged contact with skin. Use explosion-proof equipment and fireproof storeroom. Take precautions against electrostatic charges.
Special Sensitivity:	Keep away from heat, ignition sources, oxidizing agents.



Material Safety Data Sheet-Draft

8.0 Exposure control/ personal protection

Exposure Limit Values: Manufacturer recommended exposure limit based on petroleum hydrocarbon at > 70%:
TWA: 171ppm (1200mg/m³) Exxon-Mobil (2000)

Exposure Controls: Personal protective equipment (PPE):
Not required under normal conditions. In the case of a spill, standard eye and skin protection is recommended.
Work under local exhaust/ventilation.

9.0 Physical and chemical properties [(*) based on petroleum hydrocarbon]

pH: N.D.
Boiling point: 370° F, 188° C (*)
Flash point: >147° F, >64° C (*)
Auto-ignition point: >390° F, >200° C (*)
Flammability: US NFPA/HMIS Flammability rating = 2
Explosive properties: LEL: 0.6% by volume (*)
UFL: 7% by volume
Oxidizing properties: Not applicable
Vapor Pressure: N.D.
Relative density: Lighter than water
Solubility: Water solubility <0.1 g/100ml (*)
Partition coefficient: Not determined
Viscosity: N.D.
Relative vapor density: >1 (air = 1.0)
Evaporation rate: N.A.
Saturation concentration N.D.

10.0 Stability and reactivity

Stability: Stable under normal storage conditions
Incompatibilities: Reacts with (strong) oxidizers.
Thermal decomposition products: On burning: release of harmful gases/vapors (CO, CO₂)
Hazardous polymerization: None



Material Safety Data Sheet-Draft

11.0 Toxicological information

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

12.0 Ecological information

Toxicity:
Ecotoxicity: No data available
Environmental Fate:
Mobility: Volatile organic compounds (VOC): Max. 600 g/l
For other physicochemical properties see heading 9.
Persistence and degradability: N.D.
Other information:
Effect on the ozone layer: N.D.
Waste water purification: N.D.

13.0 Disposal considerations

Refer to local regulations.

14.0 Transportation information

UN Number: Not Restricted
Class: Not Restricted
Proper Shipping Name: Not Restricted
Packing Group: Not Restricted
Marine Pollutant: Not listed
Special Precautions: None noted

15.0 Regulatory information

US EPA TSCA Inventory: All ingredients are listed or exempt.
Petroleum hydrocarbon: #CAS 329909-27-5
US EPA TSCA 12(b): Does not contain listed chemicals.
EU Notification: All ingredients are listed on EINECS and/or
ELINCS or exempt.
EU Hazard Label (1999/45/EC): This product does not require a label according to
EU Directive 1999/45/EC.



Material Safety Data Sheet-Draft

16.0 Other information

Date Prepared:	May 2003
HP-DMS Document Control Number:	MPS-4134-HS, October 2003
Revision Information:	Rev. 00, May 2003 Rev.01, October 2003
Risk (R) Phrases:	R65: Harmful, may cause lung damage if swallowed. R66: Repeated exposure may cause skin dryness or cracking.
EC Safety Phrases:	No European Risk Phrases.

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

DISCLAIMER: This Material Safety Data Sheet (MSDS) is provided without charge to customers of Hewlett-Packard. Data is the most current known to Hewlett-Packard at the time of preparation of this MSDS 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.
For general information, contact Hewlett-Packard at 1-208-323-2551 (USA and Canada) Intl: +1-208-323-2551 (all other areas).