

Apple pln ME658 G/A
Black Ink Cartridge



MATERIAL SAFETY DATA SHEET FOR HP 51645A INK CARTRIDGE

DATE PREPARED: 16 SEPTEMBER 95

HP51645A INK CARTRIDGE

1.0 PRODUCT IDENTIFICATION

HEWLETT-PACKARD COMPANY
INK-JET SUPPLIES BUSINESS UNIT
1000 NE CIRCLE BOULEVARD
CORVALLIS, OREGON 97330-4200

EMERGENCY MEDICAL INFORMATION 1-800-457-4209
GENERAL INFORMATION 1-208 323-2351

Hazard Rating	NFPA	HMIS
Health	1	1
Flammability	1	2
Reactivity	0	0
Special	None	None

PRODUCT: HP print cartridge 51645A

GENERIC DESCRIPTION: Aqueous Based Ink.

2.0 HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT	WORKPLACE EXPOSURE LIMITS (PEL, TLV).
Isopropyl alcohol	67-63-0	<3%	400 ppm (PEL, TLV) 983 mg/m ³

3.0 POTENTIAL HEALTH EFFECTS

PRIMARY ROUTES OF EXPOSURE: skin (dermal), oral, eye and inhalation.

ACUTE HEALTH HAZARDS:

SKIN CONTACT:	Ink may cause slight skin irritation characterized by redness and swelling after prolonged contact. Indications may be masked by color of ink.
ORAL:	Ink may cause stomach upset.
EYE:	Ink mildly irritating..
CHRONIC HEALTH HAZARDS:	None noted.
CARCINOGENICITY:	No component is a listed carcinogen in the NTP Annual Report or found to be carcinogenic by IARC or OSHA.

4.0 FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES: Call Hewlett-Packard Health Effects Line at 1-800-457-4209.

FIRST AID FOR SKIN:	Wash affected areas thoroughly with soap and water.
FIRST AID FOR INGESTION:	Ingestion of ink may cause stomach upset. Call Hewlett-Packard Health Line.
FIRST AID FOR EYES:	Contact with eyes may cause mild irritation. Immediately flush with large amounts of clean, lukewarm water (low pressure) for at least 15 minutes.

NOTE: SEEK MEDICAL ATTENTION IF SKIN OR EYE IRRITATION OR STOMACH UPSET PERSISTS.

5.0 FIRE FIGHTING MEASURES

FLASH POINT:	>141° F.
AUTOIGNITION TEMPERATURE:	Note determined.
EXTINGUISHING MEDIA:	Water, dry chemical, carbon dioxide, foam.
SPECIAL FIRE FIGHTING PROCEDURES:	None.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	No special hazards known.

6.0 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES:

No special procedures are indicated. Use absorbent towel to wipe up ink. Rinse area with damp cloth to remove remaining traces of ink.

7.0 HANDLING AND STORAGE

STORAGE TEMPERATURE:

Store at room temperature.

SHELF LIFE:

2 years.

SPECIAL SENSITIVITY:

None.

HANDLING AND STORAGE PRECAUTIONS:

Keep container closed and store at room temperature.

8.0 EXPOSURE CONTROL/PERSONAL PROTECTION

**RESPIRATORY PROTECTION,
PROTECTIVE GLOVES OR EYE
PROTECTION:**

No special requirements are needed.

9.0 PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE: Black liquid

VAPOR DENSITY: >1

ODOR: n/a

BOILING POINT: 94 - 99 C

PHYSICAL STATE: Liquid

FREEZING POINT: n/a

pH: 7.8 - 8.4

SPECIFIC GRAVITY: n/a

VAPOR PRESSURE: n/a

SOLUBILITY IN WATER: completely miscible

NA: NOT APPLICABLE.

10.0 REACTIVITY

STABILITY:

This is a stable product stored under normal condition.

HAZARDOUS POLYMERIZATION:

Does not occur.

INCOMPATIBILITIES:

Strong oxidizers.

**THERMAL DECOMPOSITION
PRODUCTS:**

Carbon monoxide, carbon dioxide and oxides of nitrogen.

11.0 TOXICOLOGICAL INFORMATION

ORAL LD₅₀ :

>5,000 mg/Kg (CALCULATED).

SKIN:

Evaluation of scientific literature has determined the ink to be non-irritating. May cause slight redness or swelling to skin after prolonged contact which may be masked by ink color.

EYE:

Evaluation of scientific literature has determined ink may produce mild irritation.

12.0 ECOLOGICAL INFORMATION

No data available.

13.0 DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable Federal, State and Local laws.

14.0 TRANSPORTATION INFORMATION

Not regulated under 49 CFR or IATA.

15.0 REGULATORY INFORMATION

California Proposition 65: No listed chemicals.

16.0 OTHER INFORMATION

DISCLAIMER:

This Material Safety Data Sheet is offered without charge to the customers of Hewlett-Packard. Data are the most current known to Hewlett-Packard at the time of preparation and are believed to be accurate. No warranty as to its accuracy or completeness is expressed or implied.

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