



hp
C5000A Series
inkjet
printing supplies

environmental
profile

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**Hewlett-Packard Company
Inkjet Printing Supplies Operations/Imaging and Printing Systems
1000 NE Circle Blvd. Mailstop: 1022B
Corvallis, OR 97330**

product description

Model: C5019A, C5020A and C5021A printhead,
HP C5016A, C5017A, and C5018A ink cartridge
Selectability Number: 84
Compatible hp printer(s):

Designjet 10ps, 20ps, 50ps

Average page yield: 1450, based on average printing of 5% coverage per page.

**environmental
certifications**

This print cartridge is used in an hp printing system that conforms to the following voluntary environmental program criteria:

- Blue Angel
- GREENGUARD™

Factories where this product is manufactured are certified to meet the requirements of ISO 14001—the international standard for environmental management systems.

- Hp inkjet print cartridges are produced at hp manufacturing sites around the world. These sites are certified by independent auditors to meet the requirements of ISO 14001 under hp's global registration of its worldwide manufacturing operations. More information about hp and ISO 14001 is available at www.hp.com/environment.

other features

Hp has designed this product with the following additional features to help the user conserve resources:

- Print quality tested for use on 100% recycled paper

operational data

For additional information about using this supply in corresponding hp printers, please see the operational data section of the printer environmental profile sheets at: www.hp.com/environment

**product safety
information**

For chemical information about this product, please refer to the associated Material Safety Data Sheet at: www.hp.com/go/msds.

product restricted materials

The restricted materials information in this section applies to all parts, components, materials and products sold by hp. See the “[additional product materials](#),” and “[packaging](#)” sections for information about additional product content restrictions. This product does **not** contain:

- Asbestos
- Cadmium as a stabilizer, coloring agent or surface coating treatment. The total concentration of cadmium in any part, component or material in this product is ≤ 50 mg/kg.
- Mercury
- Chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide.
- Chlorinated or brominated dioxins or furans are not present at a concentration that is currently prohibited by law.
- Polychlorinated biphenyls (PCB) or polychlorinated terphenyls (PCT).
- Polybrominated biphenyls (PBBs) or polybrominated biphenyl ethers (PBBEs) (also known as polybrominated biphenyl oxides (PBBOs)) in plastic parts.

additional product materials

Halogenated flame-retardants are not used in the housing plastics.

batteries

This product does not contain batteries.

packaging

- Packaging materials do not contain lead, mercury, cadmium or hexavalent chromium as an intentionally added element. The sum concentration of incidental lead, mercury, cadmium and hexavalent chromium in the packaging for this product is less than 100mg/kg.
- No chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide are used in plastic foam packaging materials.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

External:

Paperboard¹ Weight: 12 g (20.4 g for the C4844A large black ink cartridge)

Internal:

Film Pouch² Weight: 3.2 g (4.5 g for the C4844A large black ink cartridge)

Trays³ Weight: 2 g (7 g for the C4844A large black ink cartridge)

Adhesive⁴ Weight: 0.1 g

Information Insert¹ Weight: 5.10 g

1. Made from recycled paper. Actual proportions of recycled content will vary depending on geographic location.
2. Composite material consisting of polyethylene terephthalate (PET), low density polyethylene (LDPE), aluminum foil and a polyurethane adhesive.
3. Made from polystyrene
4. Petroleum Wax

Hp designs its packaging to be recyclable where practical. The recyclability of the packaging depends on the availability of municipal recycling programs and on the packaging design.

- The paperboard box and packaging inserts are recyclable through most municipal solid waste recycling programs where recycling programs exist. Paperboard recycling programs may not exist in your area.
- The polystyrene trays, which protect the product from being damaged if dropped, can only be recycled where special polystyrene recycling programs exist.
- The film pouch is a composite of several materials used to provide a vapor barrier and cannot be recycled.
- When required by retail companies, this product is packaged in a plastic “clamshell” to deter theft; the clamshell cannot be recycled.
- Hp customers in European Union (EU) countries who wish to recycle hp product packaging should return it to local packaging recovery schemes. The package is registered with the third-

party recycling programs in the countries listed below to meet local packaging recycling laws.

- The European package is marked with the Green Dot symbol (Der Grüne Punkt) to signify participation in these package recovery programs.
 - Germany (DSD)
 - France (Eco-Emballage)
 - Austria (ARA)
 - Belgium (Fost Plus)
 - Sweden (Repa Registret)
 - Luxembourg (Valorlux)
 - Netherlands (SVM)
 - Italy (Conai)
 - UK (Valpack)
 - Ireland (Repak)
 - Spain (Ecoembes)
 - Portugal (Punto Verde SA)
 - Finland (PYR)
- Some larger hp offices also accept hp product packaging* from customers in countries or areas without local packaging recovery schemes. Contact your nearest hp sales office for more information.

end-of-life management/ recyclability

Hewlett-Packard offers end-of-life hp product return programs in certain geographic areas. To determine if a program is available for this hp product in your area, please refer to our recycling web site at www.hp.com/recycle or contact your nearest hp sales office. Products returned to hp will be recycled or recovered in a responsible manner. Disposal will be minimized and done in an environmentally responsible manner.

This hp product is designed to enhance end-of-life disposal options by:

- Marking plastic parts weighing more than 25g according to ISO 11469 international standards
- Eliminating glues and adhesives from product construction where technically feasible

Materials of construction

Plastics: 24-grams total; 19-grams PP, 5-grams LDPE

(C4844A large black ink cartridge 30-grams total; 24-grams PP, 6-grams LDPE)

Metals: 0.3-grams total; all stainless steel

Acronyms

PP	Polypropylene
LDPE	Low Density Polyethylene

company information

• Environmental Policy

Hewlett-Packard Company established an environmental policy in 1992 with the goals of providing products and services that are environmentally sound throughout their life cycles and conducting its operations worldwide in an environmentally responsible manner.

• ISO 14001

In June 2000 hp achieved ISO 14001 certification—the international standard for environmental management systems—of its worldwide manufacturing operations. Issued by the independent registration firm, Bureau Veritas Quality International (BVQI), this global certification is your assurance that hp's policies, procedures and organization for managing the environmental aspects of our operations meet the voluntary requirements of ISO 14001.

• Ozone-Depleting Substances

**for more
information**

Hewlett-Packard has eliminated all manufacturing process uses of chlorofluorocarbons (CFCs), HBFCs, halons, 1,1,1 trichloroethane (TCA), carbon tetrachloride and methyl bromide, and we require suppliers to avoid using these chemicals in their manufacturing processes.

The following information is available online at www.hp.com/environment

- More about hp's commitment to the environment
- Material Safety Data Sheets (MSDS) for hp printer supplies
- Environmental profiles for many related hp products
- Information on end-of-life return and recycling programs for selected hp products, depending upon geographic location

The information presented in this document is based largely on the recommendations made by the ECMA Standardizing Information and Communication Systems Technical Committee 38, Technical Report 70, and is believed accurate and reliable for using HP inkjet print. Data are the most current available to Hewlett-Packard at the time of preparation and is issued as a matter of information only. No warranty as to accuracy or completeness is expressed or implied. The information in this document is subject to change without notice.

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