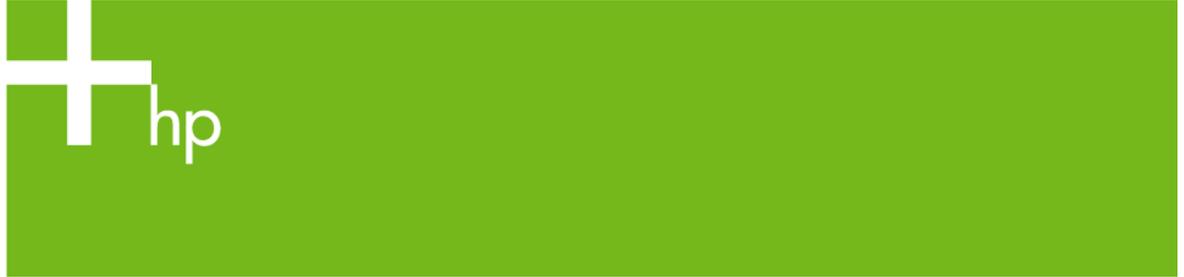# Product Environmental Profile

HP C5016A- 21A

January 2005

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

Product description

Part Numbers: C5016A, C5017A, and C5018A ink cartridge
C5019A, C5020A and C5021A printhead

Selectability Number: 84

Compatible hp printer(s): DesignJet 10ps, 20ps, 50ps
DesignJet 30, 120, and 130 printers, HP Business Inkjet 2600 for C5016A, C5019A only

Environmental certifications

This product conforms to the following voluntary environmental program criteria:

Blue Angel

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
http://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

Product safety information

For chemical information about related HP printer supplies, please refer to Material Safety Data Sheets for these products at: http://www.hp.com/go/msds

Product restricted materials

The information in this section refers to materials restricted by regulation or law and applies to parts, components and products sold by HP. This product does **not** contain:

Asbestos

Cadmium as a stabilizer, coloring agent or surface coating treatment.

Lead carbonates or sulfates are not contained in any paint applied.

Mercury (except lamps containing less than 10 mg)

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).

For additional product material information about this product, see "additional product materials" below. For product material information for associated batteries and packaging, see "batteries" and "packaging", below.

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:

Paperboard[1]	Weight: 13.6 g for C5019A, C5020A, and C5021A printheads
	23.2 g for C5016A, C5017A, and C5019A ink cartridges

Internal:

Film Pouch[2]	Weight: 3.2 g for C5019A, C5020A, and C5021A printheads
	4.2 g for C5016A, C5017A, and C5019A ink cartridges
Trays[3]	Weight: 3.3 g for C5019A, C5020A, and C5021A printheads
	7.0 g for C5016A, C5017A, and C5019A ink cartridges
Adhesive[4]	Weight: 0.1 g
Information Insert[1]	Weight: 4.5 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

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 print heads from being damaged if dropped, can only be recycled where special polystyrene recycling programs exist.

The film pouch is a composite of several materials, which 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.

To ensure compliance with local packaging take-back requirements, in the following European countries, HP is a member of a packaging recovery scheme. Some countries are operating a "Green Dot" system as indicated.

Countries with Green Dot systems

– Austria (ARA)

– Belgium (Fostplus: consumer products) (Val-I-Pac: professional products)

– France (Eco-Emballages)

– Germany (DSD)

– Ireland (Repak)

– Portugal (Punto Verde SA)

– Spain (Ecoembes)

– Sweden (Repa Registret)

Countries with no Green Dot system

– Finland (PYR Ltd)

– Italy (Conai)

– Norway (Materialretur)

– Switzerland (SWICO)

– UK (Valpak)

Some larger HP offices also accept HP product packaging* from customers in countries or areas without local packaging recovery schemes. Contact your local HP sales office for more information.

*This does not include packaging that is contaminated or contains dangerous substances, which should be disposed of in accordance with local regulations.

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 http://www.hp.com/recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a 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
C5016A, C5017A, and C5018A ink cartridge:

Housing Plastics: 30 g total (24 g PP, 6 g LDPE)
Metals: 0.8 g total (0.4 g Al, 0.3 g stainless steel, <0.1 g other metals)
Composite materials (bag film, septum, etc.): 4.5 g

C5019A, C5020A and C5021A printhead:

Housing Plastics: 11.9 g total (5.5 g LCP, 6.4 g ABS)
Metals: 1.5 g total (1.2 g stainless steel, <0.3 g other metals)
Composite materials (bag film, septum, etc.): 1.1 g

Acronyms

PP   Polypropylene

LDPE   Low Density Polyethylene

LCP   Liquid Crystal Polymer

ABS   Acrylonitrile Butadiene Styrene

Al   Aluminum

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 lifecycles and conducting its operations worldwide in an environmentally responsible manner. HP has strengthened that commitment with the intent to be the recognized leader in inventing environmentally sustainable solutions for the common good.

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

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

For more information

The following information is available online at http://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

End-of-life return and recycling programs for selected HP products, depending upon geographic location

hp invent