



EcoLeaf

Type III Environmental Declaration (EPD)

Registration number : JR-AI-21118E

Ecoleaf Environmental Labeling Program

Sustainable Management Promotion Organization

2-1, Kaji-cho 2 chome, Chiyoda-ku, Tokyo Japan

<https://ecoleaf-label.jp/>

RISO KAGAKU CORPORATION

RISOComColor GL7430  
(High-speed color printer)



### Functional unit

Per unit product

### System boundary

- final products       intermediate products
- Raw material acquisition,  
Production, Distribution, Use & maintenance,  
and End-of-Life stage

### Main specifications of the product

- Model name: RISO ComColor GL7430
- Main Specifications
- Printer (High Performance Inkjet)
  - Color: 5 Colors
  - Print speed: 140ppm (single-sided A4 sheets)
  - Maximum paper size (standard cassette): A3W
- ※ This product is for North America.

### Company Information

RISO KAGAKU CORPORATION  
<https://www.riso.co.jp/>  
 Shiba, Minato-ku, Tokyo 108-8385, Japan  
 Phone +81-3-5441-6778

Registration#	JR-AI-21118E
PCR number	PA-590000-AI-03
PCR name	Imaging input and/or output equipment
Publication date	2/28/2022
Verification date	10/5/2021
Verification method	Product-by-product
Verification#	JV-AI-21118
Expiration date	10/4/2026
PCR review was conducted by:	
Approval date	11/8/2019
PCR review panel chair	Masayuki Kanzaki (Sustainable Management Promotion Organization)

### Third party verifier\*

Kazuo Naito

Independent verification of data & declaration in accordance with ISO14025

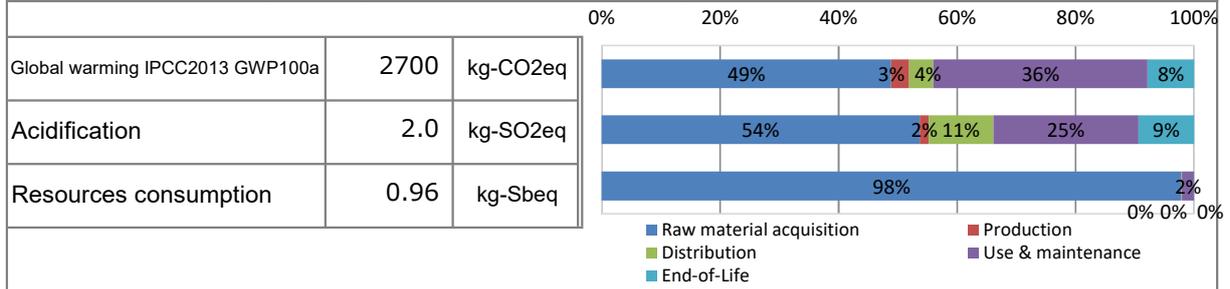
internal       external

\* Auditor's name is stated if system certification has been performed.

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**1. Results of life cycle impact assessment (LCIA)**



Parameter	stage	Unit	Total	Raw material acquisition	Production	Distribution	Use & maintenance	End-of-Life
Global warming IPCC2013 GWP100a		kg-CO <sub>2</sub> eq	2.7E+03	1.3E+03	8.0E+01	1.1E+02	9.6E+02	2.1E+02
Acidification		kg-SO <sub>2</sub> eq	2.0E+00	1.1E+00	3.0E-02	2.2E-01	4.9E-01	1.9E-01
Resources consumption		kg-Sbeq	9.6E-01	9.4E-01	3.4E-04	4.3E-04	1.9E-02	2.3E-04

**2. Life cycle inventory analysis (LCI)**

項目	Unit	単位
Non-renewable material resources	1.5E+02	kg
Non-renewable energy resources	4.3E+04	MJ
Renewable material resources	3.4E+02	kg
Renewable primary energy	8.7E+02	MJ
Consumption of freshwater	1.9E+03	m <sup>3</sup>

**3. Material composition**

Material	Unit	Unit
Steel	9.3E+01	kg
SUS	3.7E+00	kg
Aluminum	3.6E+00	kg
Copper	5.4E+00	kg
Other metal	1.3E-01	kg
Plastic	6.4E+01	kg
Rubber	1.0E+00	kg
Paper and wood	3.1E+01	kg
Circuit Board	5.7E+00	kg
Others	0.0E+00	kg

**5. Additional explanation**

<input type="checkbox"/> Product destination: North America
<input type="checkbox"/> Calculation method of use stage (scenario)
<ul style="list-style-type: none"> <li>• Expected usage period: five years.</li> <li>• Total estimated number of sheets used: 2,937,600 sheets.</li> <li>• Printing paper is not considered.</li> </ul>
<ul style="list-style-type: none"> <li>• Patterns to be printed are as follows: Images printed on the standard data stipulated on ISO/IEC 19798 (A4).</li> <li>• Products selected in the scenario used for this inventory calculation: Printer (High Performance IJ).</li> <li>• The parameter of ink put for the first usage is in the category "Use &amp; maintenance."</li> </ul>
<input type="checkbox"/> Conformed to the International ENERGY STAR® Version 3.1 Program.



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#### 6-1. Supplementary environmental information

- This product is assembled and its inks are produced at our factory certified with ISO 14001.
- The applied International ENERGY STAR® Program Version is 3.0.
- The EU RoHS Directive is complied.

#### 7. Assumptions of secondary data used

- Inventory Database: IDEA Version 2.1.3, and Ecoleaf Environmental Labeling Program Registry data Version 1.10 are used.
- Basic units for this calculation are shown on a list in the attached sheet.

#### 8. Remarks

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- For data quantification, please refer to PCR and Rules on quantification and declaration.
- Comparative assertion is permitted only when Rules on quantification and declaration are satisfied.  
(Reference URL : <https://ecoleaf-label.jp/regulation/>)

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## Attached sheet : Basic unit list

This declaration was produced using Product Category Rule intended for a product model sold in the  
The basic units below are used to get the Ecoleaf Environmental Labeling Program for this product.

painted printing paper	corrugated board box	miscellaneous pulp, paper and paper worked products which are not elsewhere classified
inorganic pigments , 4 digit	black pigment, for coloring recycled pallet	aliphatic intermediate (including aliphatic solvent), 4 digit
cyclic intermediates, synthetic dyes and organic pigments, 4 digit	polyethylene, high density (HDPE)	low density polyethylene
expanded polystyrene (EPS)	acrylonitrile butadiene styrene resin	acrylonitrile butadiene styrene resin, flame retardancy
inorganic pigments , 4 digit	polyamide resin	polytetrafluoroethylene
polyethylene terephthalate	polyacetal	polycarbonate
miscellaneous plastic	polybutylene terephthalate	ethylene propylene diene
chloroprene rubber, butadiene	butadiene rubber latex	polyester polyol
nylon long and short fibers	higher alcohol, reduced and distilled	lubricating oil (including grease)
energy, liquefied petroleum gas (LPG) combustion	rigid plastic flat plates, polyvinyl chloride	plastic pipes, polyvinyl chloride
plastic molding processing, biaxially oriented film	packaging material, HDPE bag	polyurethane, flexible
polyurethane, foamed	ordinary steel cold rolled steel sheet and strips	galvanized steel sheets
electrogalvanized steel sheet	ordinary steel wires	free cutting steel
stainless steel bars	stainless steel cold rolled steel sheets and strip	stainless steel, cold rolled sheets and strip, austenitic type
stainless steel, cold rolled sheets and strip, ferritic type	tungsten metal, sintered	regenerated copper and copper alloys
rolled and drawn copper products	rolled and drawn bronze products	rolled aluminium products
electric wire and cable, except optical fiber cable , 4 digit	aluminium and aluminium alloy die castings, 4 digit	machine press processing
bolts and nuts	neodymium magnet (NdFeB)	electricity, Japan, 2014FY
electricity, United States, IEA, 2011	rail transportation, freight	truck transportation, 2t truck, loading ratio default
truck transportation, 10t truck, loading ratio default	truck transportation, 20t truck, loading ratio50%	ship transportation, container ship <4kTEU
high degree of intermediate treatment of used OA equipment (decomposition and dissection ~ crush and separation)	landfill, industrial wastes	incineration, industrial waste, waste oil
incineration, industrial waste, waste plastics	incineration, industrial waste, waste paper and wood waste	Assembled circuit board
Injection molding	-	-

Note: The LCI basic units for the Ecoleaf Environmental Labeling Program are used for LCA calculation.

For further details of the units. refer to the website below.

URL : [https://ecoleaf-label.jp/entry/application\\_form.html#FB-01](https://ecoleaf-label.jp/entry/application_form.html#FB-01)