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DIGITAL MULTIFUNCTIONAL SYSTEM MX-M6570

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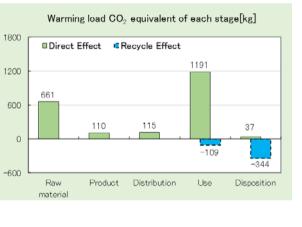
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Environmental Impacts are calculated as follows: Use stage: Printing 2,534,400 sheets in 5 years. The environmental impacts of the optional unit (Finisher and Large Capacity Tray) are not included in the calculation.

• Making Technology : Electrophotographic Printer (EP) • Print Speed : Monochrome 65 prints/minute (A4) •Maximum Paper Size: A3W

| Consumption and discharge in a life cycle | All the stage sum totals |
|---|--------------------------|
| Global Warming (CO ₂ equivalent) | 2,114kg (1,660kg) |
| Acidification (SO ₂ equivalent) | 3.2kg (2.5kg) |
| Energy resources (crude oil equivalent) | 41,895MJ (33,247MJ) |

※Figures in () indicated environmental impact including recycle effect *note3



- 1. Original LCA data is available on PEIDS: Product Environmental Information Declaration Sheet, and Product Data Sheet.
- 2. Unified rules and requirements for EcoLeaf LCA, for intended product category, are available as a PSC: Product Specification Criteria. Visit EcoLeaf website under JEMAI homepage at http://www.ecoleaf-jemai.jp/eng/ for details.
- 3. Recycle Effect illustrates an indirect influence to other products/services.
- 4. Basic Units used for calculations are based on Japan domestic data at this time, due to a lack of base data to establish localized Basic Unit for overseas locations adequately.

[Supplemental environmental information]

- ·Certified Environmental Standards.
- •International Energy Star Program, EPEAT(IEEE 1680.2), EU RoHS,
- ·Manufactured at ISO14001 certified factories.
- •Adopt biomass-based plastics (JBP No.134).

PCR review was conducted by : PCR Deliberation Committee, January 01, 2008, Name of reprentative: Youji Uchiyama, University of Tsukuba, Graduate School

Independent verification of the declaration and data, according to ISO14025:2006 □internal ■external Third party verifier * : Eikyuu Watanabe

Programme operator: Japan Environmental Management Association for Industry, ecoleaf@jemai.or.jp

* In the case of an business entity certified as an Ecoleaf-data-collection system, the names of certification auditors are written.

Product Environmental Information Data Sheet (PEIDS)



F-02Bs-02 Document control no. Sharp Corporation Business Solutions BU Product vendor EcoLeaf registration no. AD-18-E1093

| Unit Function DB version | |
|------------------------------------|--|
| Characterization Eactor DB version | |

| PCR name | EP and IJ print | er | Product type | | MX-N | M6570 | |
|----------|-----------------|---------------------|--------------|--------------|------|-------------------|-------|
| PCR code | AD-04 | Product weight (kg) | 164.2 | Package (kg) | 19.9 | Weight total (kg) | 184.1 |

| | _ | | | Life Cycle Stage | | Prode | uction | | | | Recycle |
|--------------------|---|-----------------------|----------------|---|------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|
| In/Out | t item | าร | | | Unit | Raw material | Product | Distribution | Use | Disposition | Effect |
| | | | | | MJ | 1.12E+04 | 1.92E+03 | 1.54E+03 | 2.71E+04 | 1.40E+02 | -8.65E+03 |
| | | Er | iergy C | Consumption | Mcal | 2.67E+03 | 4.59E+02 | 3.68E+02 | 6.47E+03 | 3.35E+01 | -2.07E+03 |
| | | | 8 | Coal | kg | 1.24E+02 | 1.41E+01 | 3.59E-03 | 1.36E+02 | 2.13E-01 | -1.08E+02 |
| | | | sourc | Crude oil (for fuel) | kg | 8.84E+01 | 1.59E+01 | 3.36E+01 | 2.02E+02 | 2.66E+00 | -5.78E+01 |
| | | | gy re | LNG | kg | 1.82E+01 | 7.04E+00 | 5.19E-01 | 7.56E+01 | 1.45E-01 | -3.09E+00 |
| | | | Ener | Uranium content of an ore | ka | 1.75E-03 | 9.52E-04 | 2.44E-07 | 7.58E-03 | 1.44E-05 | 9.55E-05 |
| | ç | | | Crude oil (for material) | kg | 3.71E+01 | 0 | 0 | 5.95E+01 | 0 | -5.66E+01 |
| | otic | 6 | | Iron content of an ore | kg | 1.15E+02 | 0 | 0 | 1.18E+01 | 0 | -1.24E+02 |
| | ď | č | | Cu content of an ore | kġ | 2.59E+00 | 0 | 0 | 1.11E-02 | 0 | -9.35E-01 |
| | su | n | | Al content of an ore | kġ | 1.64E+00 | 0 | 0 | 4.01E+00 | 0 | -4.08E+00 |
| | o | sc | S | Ni content of an ore | kġ | 5.81E-01 | 0 | 0 | 9.60E-01 | 0 | -2.52E-03 |
| | 0 | Le Le | ee | C content of an ore | kġ | 8.25E-01 | 0 | 0 | 1.30E+00 | 0 | -4.59E-02 |
| | e. | ble | resources | Mn content of an ore | kġ | 6.69E-01 | 0 | 0 | 2.17E-01 | 0 | -1.07E-01 |
| | Inc | stil | esc | Pb content of an ore | kğ | 1.13E-01 | 0 | 0 | 9.03E-04 | 0 | -7.60E-02 |
| | mpact by Resource Consumption | Exhaustible resources | | Sn content of an ore | kğ | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ř | чx | Mineral | Zn content of an ore | kġ | 1.13E+00 | 0 | 0 | 8.89E-03 | 0 | -7.46E-01 |
| | by | ш | ine. | Au content of an ore | kġ | 0 | 0 | 0 | 0 | 0 | 0 |
| | ಕ | | Σ | Ag content of an ore | kġ | 0 | 0 | 0 | 0 | 0 | 0 |
| SS | ра | | | Silica Sand | kğ | 3.84E+00 | 0 | 0 | 4.42E-01 | 0 | -2.60E+00 |
| /Se | <u>_</u> | | | Halite | kg | 2.54E+01 | 0 | 0 | 2.71E+00 | 1.91E-02 | -8.58E-01 |
| ai | | | | Limestone | kg | 2.30E+01 | 0 | 0 | 3.71E+00 | 1.22E+00 | -2.13E+01 |
| an | | | | Natural soda ash | kg | 2.49E-01 | 0 | 0 | 3.56E-02 | 0 | -1.76E-01 |
| <u>S</u> | | wabl | rces | Wood | kg | 2.71E+01 | 0 | 0 | 3.72E+01 | 0 | 0 |
| Inventory anaiyses | | Rene | e | Water | kg | 3.70E+04 | 1.07E+04 | 2.73E+00 | 9.67E+04 | 1.80E+02 | -7.24E+03 |
| Ve | nt | | | CO2 | kg | 6.48E+02 | 1.09E+02 | 1.09E+02 | 1.16E+03 | 3.71E+01 | -4.42E+02 |
| <u> </u> | nei | | α | Sox | kg | 3.95E-01 | 8.34E-02 | 5.35E-02 | 9.43E-01 | 2.45E-02 | -2.81E-01 |
| | on | | ere | Nox | kg | 6.60E-01 | 6.62E-02 | 2.94E-01 | 1.20E+00 | 1.49E-01 | -5.46E-01 |
| | Vir | | hd | N2O | kg | 4.73E-02 | 1.19E-03 | 2.15E-02 | 9.31E-02 | 2.02E-04 | -4.27E-02 |
| | er | | Atmosphere | CH4 | kg | 4.65E-03 | 2.54E-03 | 6.52E-07 | 2.02E-02 | 3.86E-05 | 3.32E-04 |
| | the | | Ę | CO | kg | 9.59E-02 | 1.62E-02 | 3.21E-02 | 2.37E-01 | 4.80E-02 | -8.22E-02 |
| | 9 | | 0 2 | NMVOC | kg | 9.09E-03 | 4.99E-03 | 1.28E-06 | 3.95E-02 | 7.56E-05 | 6.47E-04 |
| | rge | | Ŧ | CxHy | kg | 2.39E-02 | 2.60E-04 | 1.21E-02 | 2.77E-02 | 2.27E-03 | -2.34E-02 |
| | cha | | | Dust | kg | 8.53E-02 | 3.58E-03 | 3.34E-02 | 8.89E-02 | 8.92E-03 | -8.52E-02 |
| | lisc | em | ain | BOD | kg | 1.37E-03 | - | - | 5.46E-03 | - | - |
| | D/D | syst | mob | COD | kg | - | - | - | - | - | - |
| | Impact by Emission/Discharge to the environment | to Water system | Water domain | N total | kg | - | - | - | - | - | - |
| | nis | Ne | Wa | P total | kg | - | - | - | - | - | - |
| | ш | to | 9 | SS | kg | 8.09E-04 | - | - | 3.24E-03 | - | - |
| | by | | system | Unspecified Solid Waste | kg | 4.24E+00 | 0 | 0 | 9.12E+01 | 1.00E+01 | -7.68E+00 |
| | act | | ll sy: | Slag | kg | 3.68E+01 | 0 | 0 | 4.24E+00 | 0 | -3.82E+01 |
| | dш | | Soil | Sludge | kg | 2.37E+00 | | | 8.59E+00 | 0 | -8.76E+00 |
| | - | - | 5 1 | Low level radio-active waste | kg | 1.22E-03 | 6.65E-04 4.12E+01 | 1.70E-07 3.43E+01 | 5.29E-03 | 1.01E-05 3.09E+00 | 6.73E-05 |
| ient | e e nnsur | 'naust | deresou ces | Energy resources (crude oil equivalent) | kg | 2.04E+02 1.17E+03 | 4.12E+01 0 | 3.43E+01 | 4.43E+02 8.15E+02 | 3.09E+00 | -1.30E+02 -4.54E+02 |
| us: | Rec Cor | Ë | 7 | Mineral resources (Iron ore equivalent) | kg | | | Ŭ | | v | |
| ses | : o ± | | here | Global Warming (CO2 equivalent) | kg | 6.61E+02 | 1.10E+02 | 1.15E+02 | 1.19E+03 | 3.71E+01 | -4.53E+02 |
| asion | urge 1 1mer | | dsou | Acidification (SO2 equivalent) | kg | 8.57E-01 | 1.30E-01 | 2.59E-01 | 1.78E+00 | 1.29E-01 | -6.64E-01 |
| mpact assessment | Discharge to environment | | to Atmosphere | - | - | | | | - | | - |
|)du | è i i e | | 2 | - | - | - | - | - | - | - | - |
| - | | | - | - common rules] | - | - | - | | | | - |

[Notes for readers: EcoLeaf common rules]

I. Stage related

A. "Production" stage is intended for two sub-stages listed below.

(1) "Raw material" production: consists of mining, transportation and raw material production.

(2) "Product" production: consists of the parts processing, assembly and installation.

B. "Distribution" stage is intended for transportation of produced product. Transportation of consumables and maintenance goods (e.g. replacement parts) for use of the product are included into "Use" stage.

C. *Use* stage is intended for use of the product (active mode, standby mode, etc.) and production, transportation to disposal/recycle of consumables/maintenance goods (e.g. replacement parts).

D. "Disposition/Recycle" stage is intended for environmental impacts by product disposition/recycle, and deduction by recycling (e.g. impact reduction of raw material production). E. "Recycle Effect" illustrates an indirect environmental influences to other products/services by use of reclaimed materials/parts, and/or by supply of used products to other businesses for material reclaim/parts reuse.

Case 1: Use of reclaimed materials/parts: Sum of increase of environmental impact by collection activities of used materials/parts, and decrease by volume reduction of used materials/parts. Case 2: Supply of used products to other businesses for material reclaim/parts reuse: Sum of increase of environmental impact by materials/parts reclaiming process, and decrease by volume reduction of new materials/parts production

II. Inventory analyses

A. Data of mineral ore on "Exhaustible resources" are presented in weight of pure ingredients (e.g. iron, aluminum) in the ore.

B. Data on energy resources are presented based on origin in calorific value. e.g. Data on uranium ore presents weight of uranium concentrate, which is available for use as an atomic fuel.

C. Data of discharge to water system are in actual figure (not calculated using unit function in inventory analyses).

III Impact analyses

Result of the "Impact analyses" is found in converting results of inventory analyses into total amount of a reference material (e.g. CO₂ in case of "Global Warming").

A. Impact "by resource consumption" represents magnitude of impacts to resource depletion.

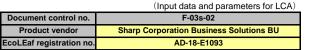
B. Impact "by emission/discharge to environment" represents magnitude of impacts to Atmosphere. Water and Soil system.

IV Data entry format

- A. Exponential notation, after the decimal point to two, should be used.
- B. Indicate "O" instead exponential notation, if the result of calculation or estimation is considered as "zero" or negligible in comparison to related results. C. Indicate " " if calculation nor estimation can not be done, in order to differentiate to indicate "zero".

(BGD for material production are for production from mineral ore. Those data do not include reclaiming processes like recovery from scrap.)

Product data sheet





| | | PCR name | | EP an | d IJ printer | Product t | ype | | | | MX-M6 | 570 | |
|----|----------|-------------------|--------------|---------------|----------------------------|--------------|-----------|--------------------|------------|--------------|--------------|-------------------------|------------------|
| | LCA/ | LCIA in units of: | | | 1 | Product weig | ght (kg) | 164.2 | Packa | ge (kg) | 19.9 | Weight total (kg) | 184.1 |
| 1. | Produ | ct information (| per unit): p | arts etc. by | material and by process/as | ssembly me | ethod | | | | | | |
| | | | Br | eakdown of pr | rimary materials | | Math b | preakdown of p | parts, whi | ch need to a | apply Proces | sing / Assembly Base Un | its (Parts B, C) |
| | | Material n | ame | Weight (kg) | Material name | Weight (kg) | P | rocess nar | ne | Weight | (kg) | Process name | Weight (kg) |
| | | Normal st | teel | 1.03E+02 | paper | 7.20E+00 | Press | molding:lro | n (kg) | 1.03E+ | 02 Pa | irts assembly (kg) | 1.84E+02 |
| | | Stainless s | steel | 3.67E+00 | semiconductor substrates | 3.10E+00 | Press mol | lding:Nonferrous r | metal (kg) | 2.68E+ | 01 | | |
| | ÷ | aluminu | m | 1.05E+00 | wood | 1.17E+01 | Injec | tion moldin | g (kg) | 4.23E+ | 01 | | |
| | duct | other met | als | 3.17E+00 | Medium-sized motor (kg) | 6.13E+00 | Gla | ss molding | (kg) | 2.05E+ | 00 | | |
| | Prod | thermoplastic | resins | 4.22E+01 | | | | | | | | | |
| | <u>a</u> | thermosetting | resins | 3.80E-02 | | | | | | | | | |
| | | rubber | | 3.64E-01 | | | | | | | | | |
| | | glass | | 2.05E+00 | | | | | | | | | |
| | | Subtota | al | 1.56E+02 | Subtotal | 2.81E+01 | | | | | | | |
| | | | | Total | | 1.84E+02 | | Subtotal | | 1.75E+ | 02 | Subtotal | 1.84E+02 |

Note

2. Production site information (per unit): Consumption and discharge/emission for production/processing/assembly within the site.

SOx and NOx should be indicated in SO₂, NO₂ equivalent.

| ion | Classification | Energy | Energy | Material | Material | Energy | | |
|-------|----------------|-------------------------|------------------|------------------|--------------|-------------------|--|--|
| mpti | Distribution | Diesel oil as fuel (kg) | Furnace LNG (kg) | Clean water (kg) | Acetone (kg) | Electricity (kWh) | | |
| Insu | Quantity | 2.25E-01 | 3.00E-01 | 7.49E+01 | 6.00E-03 | 4.81E+01 | | |
| Col | Note | | | | | | | |
| arge | Classification | Water system | Water system | | | | | |
| Disch | Distribution | BOD | SS | | | | | |
| sion/ | Quantity | 1.37E-03 | 8.09E-04 | | | | | |
| Emis | Note | | | | | | | |

Note

3. Distribution stage information (per unit): means, distance, loading ratio, consumptions and emissions/discharges.

| | | | | , | , , | | | | |
|---------|-------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | Means of transportation | Diesel truck:10 ton (kg·km) | Diesel truck:10 ton (kg·km) | Diesel truck:10 ton (kg·km) | Diesel truck:10 ton (kg · km) | Freight by ship (kg·km) |
| | Conditions | Mass(kg) | Distance (km) | Loading Ratio(%w) | Load(kg·km) | Mass(kg) | Distance (km) | Loading Ratio(%w) | Load(kg·km) |
| ы | Quantity | 1.84E+02 | 3.00E+01 | 1.00E+02 | 5.52E+03 | 1.84E+02 | 1.10E+04 | 1.00E+02 | 2.03E+06 |
| ibution | Note | | | | | | | | |
| 12 | Means of transportation | Diesel truck:10 ton (kg·km) | Diesel truck:2 ton (kg·km) | Diesel truck:2 ton (kg·km) | Diesel truck:2 ton (kg·km) | Diesel truck:2 ton (kg·km) |
| Dist | Conditions | Mass(kg) | Distance (km) | Loading Ratio(%w) | Load(kg·km) | Mass(kg) | Distance (km) | Loading Ratio(%w) | Load(kg·km) |
| | Quantity | 1.84E+02 | 7.00E+01 | 1.00E+02 | 1.29E+04 | 1.84E+02 | 3.00E+01 | 3.68E+01 | 1.50E+04 |
| | Note | | | | | | | | |

Note The shipping distance of the products unloaded from a ship is set to 100km.

4. Use stage (per unit): use condition (mode, term) including active mode, standby mode and maintenance.

4.1 Product and accessories subject to this analysis

| | addt alla a | cccssories subje | ct to this analys | 13 | | | | | |
|---------|----------------|------------------------------------|-------------------------------------|-------------------------------|---------------------------|----------------------------|---|-------------------------------|------------------------------------|
| | Classification | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption |
| | Distribution | Cold-Rolled steel plate (kg) | Electroplated steel Plate (kg) | Stainless steel plate (kg) | Aluminum plate (kg) | Glass (kg) | High density polyethylene (kg) | Low density polyethylene (kg) | Polypropylene (kg) |
| | Quantity | 8.50E+00 | 9.71E-01 | 6.07E+00 | 3.79E+00 | 4.01E-01 | 1.26E+01 | 3.59E-01 | 1.21E-01 |
| | Note | | | | | | | | |
| | Classification | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption | Consumption |
| | Distribution | Polystyrene (kg) | Polycarbonate (kg) | POM(polyacetal) (kg) | MMA resin (kg) | PET (kg) | Expandable soft polyurethane(for automobile) (kg) | Phenol resin(PF) (kg) | Nitrile-butadiene rubber(NBR) (kg) |
| | Quantity | 4.12E+00 | 1.26E+00 | 5.72E-01 | 5.07E+01 | 4.92E-02 | 1.92E-01 | 2.61E-01 | 3.09E-01 |
| | Note | | | | | | | | |
| | Classification | Consumption | Consumption | Condition | Consumption | Consumption | Consumption | Consumption | Consumption |
| | Distribution | Styrene-butadiene rubber(SBR) (kg) | Methanol(CH3OH) (kg) | Diesel truck:10 ton (kg · km) | Corrugated cardboard (kg) | Paper(Western style) (kg) | Assembled circuit board (kg) | Ink (kg) | Press molding:Iron (kg) |
| | Quantity | 2.54E-01 | 1.51E-01 | 2.90E+03 | 1.71E+01 | 3.88E-01 | 8.06E-02 | 5.80E+00 | 6.09E+00 |
| Product | Note | | | | | | | | |
| 20 | Classification | Condition | Consumption | Consumption | Consumption | Energy | Material | Condition | Material |
| | Distribution | Freight by ship (kg·km) | Press molding:Nonferrous metal (kg) | Injection molding (kg) | Parts assembly (kg) | Furnace LNG (kg) | Clean water (kg) | Diesel truck:10 ton (kg·km) | Acetone (kg) |
| | Quantity | 1.06E+06 | 2.72E+01 | 1.99E+01 | 5.33E+01 | 3.74E+00 | 8.84E+02 | 6.76E+03 | 7.00E-02 |
| | Note | | | | | | | | |
| | Classification | Energy | Energy | Water system | Water system | Condition | Consumption | Condition | Condition |
| | Distribution | Electricity (kWh) | Diesel oil as fuel (kg) | BOD | SS | Diesel truck:2 ton (kg·km) | Electricity (kWh) | Diesel truck:4 ton (kg·km) | Diesel truck:10 ton (kg·km) |
| | Quantity | 7.05E+02 | 1.09E-01 | 5.46E-03 | 3.24E-03 | 7.07E+03 | 1.15E+03 | 8.35E+03 | 4.45E+04 |
| | Note | | | | | | | | |
| | Classification | Condition | | | | | | | |
| | Distribution | Diesel truck:4 ton (kg·km) | | | | | | | |
| | Quantity | 1.39E+04 | | | | | | | |
| | Note | | | | | | | | |

Note According to PCR provision, Environmental Impacts are calculated from the use stage of printing 2,534,400 sheets in 5 years.

4.2 Disposition/Recycle information on consumables and replacement parts

| | Classification | Process | Process | Process | Process | Process | Process | Process | Process |
|-------|----------------|--------------------------------------|--------------------------------|--------------------------------------|---|---|----------------|-----------------------------------|--------------------------------|
| | Distribution | Incineration: Industrial waste (kg) | Landfill:Industrial waste (kg) | Sorting:Iron(by magnetic force) (kg) | Sorting: Nonferrous metal/by eddy current with wind force) (eg) | Sorting Plastics(by relative density difference in value) (kg | Shredding (kg) | Recycle:to cold-rolled steel (kg) | Recycle:to Aluminum plate (kg) |
| les | Quantity | 1.74E+01 | 6.25E+01 | 1.22E+01 | 8.28E+01 | 1.91E+01 | 9.66E+01 | 1.22E+01 | 2.86E+00 |
| mable | Note | | | | | | | | |
| Isur | Classification | Process | Deduction | Deduction | Deduction | | | | |
| Cor | Distribution | Recycle:to Thermoplastic pellet (kg) | Cold-Rolled steel plate (kg) | Aluminum plate (kg) | ABS (kg) | | | | |
| _ | Quantity | 1.91E+01 | 1.22E+01 | 2.86E+00 | 1.91E+01 | | 2 | | |
| | Note | | | | | | | | |

Note The values above are calculated based on a performance based recycling scenario.

5. Disposition/Recycle stage information (per product): process method and scenarios

| . Dispe | 3111011/11/00 | yele stage inform | nation (per produ | ici). process me | thou and Sechar | 103 | | | |
|----------|----------------|-------------------------------------|--------------------------------|--------------------------------------|---|---|---------------------|-----------------------------------|------------------------------|
| | Classification | Process | Process | Process | Process | Process | Process | Process | Process |
| | Distribution | Incineration: Industrial waste (kg) | Landfill:Industrial waste (kg) | Sorting.tron(by magnetic force) (kg) | Sorting: Nonferrous metal(by eddy current with wind force) (kg) | Sorting Plastics(by relative density difference in value) (kg | Shredding (kg) | Recycle:to cold-rolled steel (kg) | Recycle:to copper plate (kg) |
| | Quantity | 1.89E+01 | 1.00E+01 | 1.07E+02 | 3.52E+01 | 4.18E+01 | 1.65E+02 | 1.07E+02 | 3.10E+00 |
| | Note | | | | | | | | |
| | Classification | Process | Process | Process | Deduction | Deduction | Deduction | Deduction | Deduction |
| Scenario | Distribution | Recycle:to Aluminum plate (kg) | Recycle:to Glass (kg) | Recycle:to Thermoplastic pellet (kg) | Cold-Rolled steel plate (kg) | Copper plate (kg) | Aluminum plate (kg) | Glass (kg) | ABS (kg) |
| cer | Quantity | 1.00E+00 | 2.10E+00 | 4.18E+01 | 1.07E+02 | 3.10E+00 | 1.00E+00 | 2.10E+00 | 4.18E+01 |
| S | Note | | | | | | | | |
| | Classification | Condition | Condition | Condition | | | | | |
| | Distribution | Diesel truck:4 ton (kg·km) | Diesel truck:10 ton (kg·km) | Diesel truck:4 ton (kg·km) | | | | | |
| | Quantity | 7.47E+03 | 6.63E+04 | 1.25E+04 | | | | | |
| | Note | | | | | | | | |

Note The values above are calculated based on a performance based recycling scenario.

| he s | ources of these basic units are provided in the | Eco Leaf Environmental Label LCI Co | mmon Basic Unit(\ |
|------|---|-------------------------------------|-------------------|
| | http://eco-jemai.sakura.ne.jp/application/data/b | | |
| No | Field | Base Unit Name | Unit |
| 1 | Material Production(Metal) | Cold-Rolled steel plate | kg |
| 2 | | Electroplated steel Plate | kg |
| 6 | | Stainless steel plate | kg |
| 7 | _ | Copper plate | kg |
| 8 | _ | Aluminum plate | kg |
| 9 | | Zinc | kg |
| 16 | Material Production(Inorganic Chemistry) | Glass | kg |
| 26 | Material Production(Synthetic Resin) | High density polyethylene | kg |
| 27 | | Low density polyethylene | kg |
| 28 | _ | Polypropylene | kg |
| 29 | _ | Polystyrene | kg |
| 31 | _ | РВТ | kg |
| 32 | | Polycarbonate | kg |
| 33 | 4 | Polycarbonate-ABS (70/30) | kg |
| 34 | 4 | POM (polyacetal) | kg |
| 36 | | ABS | kg |
| 38 | | MMA resin | kg |
| 39 | 4 | PA66 (Polyamide 66) | kg |
| 40 | 4 | PET | kg |
| 43 | | Expandable soft polyurethane | kg |
| 46 | _ | Acrylic Nitrile | kg |
| 47 | | Phenol resin (PF) | kg |
| 48 | Material Production(Rubber) | Nitrile-butadiene rubber (NBR) | kg |
| 49 | _ | Styrene-butadiene rubber (SBR) | kg |
| 50 | | Natural rubber | kg |
| 51 | | Butadiene rubber (BR) | kg |
| 55 | Material Production(Organic Chemistry) | Methanol (CH3OH) | kg |
| 62 | | Acetone | kg |
| 67 | Material Production(Wood and Paper) | Corrugated cardboard | kg |
| 69 | | Paper (Western style) | kg |
| 71 | | Wood chip (imported) | kg |
| 72 | | Raw wood (imported) | kg |
| 76 | Material Production(General) | Assembled circuit board | kg |
| 78 | | Medium-sized motor | kg |
| 85 | Processing | Press molding: Iron | kg |
| 86 | | Press molding: Nonferrous metal | kg |
| 87 | - | Injection molding | kg |
| 89 | | Glass molding | kg |
| 90 | Assembly | Parts assembly | kg |
| 91 | Distribution | Diesel truck: 2 ton | kg.km |
| 92 | 4 | Diesel truck: 4 ton | kg.km |
| 93 | 4 | Diesel truck: 10 ton | kg.km |
| 97 | | Freight by ship | kg.km |
| 99 | Electricity and Fuel | Electricity | kWh |
| 101 | 4 | Diesel oil as fuel | kg |
| 109 | | Furnace LNG | kg |
| 126 | Utility (Water) | Clean water | kg |
| 129 | Disposition and Recycle (Crushing and Sorting) | Shredding | kg |
| 130 | 4 | Sorting: Iron | kg |
| 131 | 4 | Sorting: Nonferrous metal | kg |
| 132 | | Sorting: Plastics | kg |
| 134 | Disposition and Recycle (Incineration and Landfill) | | kg |
| 137 | | Landfill: Industrial waste | kg |
| 138 | Disposition and Recycle (Recovery) | Recycle: to cold-rolled steel | kg |
| 139 | 4 | Recycle: to copper plate | kg |
| 140 | 4 | Recycle: to Aluminum plate | kg |
| 141 | 1 | Recycle: to Thermoplastic pellet | kg |