# **Product** Environmental Aspects Declaration



No. AD-19-E1119 EP and IJ printer (PCR-ID:AD-04) Date of publication Mar./05/2019

## SHARP

http://www.sharp.co.ip/ <Environment Contact> SHARP CORPORATION Business Solutions BU

E-mail: ECOLEAF-BS@sharp.co.jp

### DIGITAL FULL COLOR MULTIFUNCTIONAL SYSTEM MX-4071

· Making Technology: Electrophotographic Printer (EP)

· Print Speed: Full-color 40 prints/minute (A4)

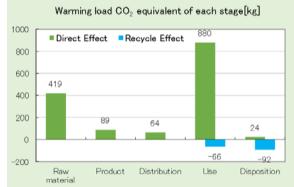
· Maximum Paper Size: SRA3 · Duplex copying: Standard

Consumption and discharge in a life cycle	All the stage sum totals
Global Warming (CO <sub>2</sub> equivalent)	1,476kg (1,318kg)
Acidification (SO <sub>2</sub> equivalent)	2.2kg (2.0kg)
Energy resources (crude oil equivalent)	30,038MJ (26,232MJ)

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



Environmental Impacts are calculated as follows: Use stage: Printing 960,000 sheets in 5 years. The picture is attached with options. Environmental impact by copypaper is not included.



- 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

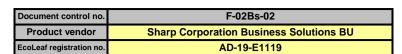
Independent verification of the declaration and data, according to ISO14025:2006 □internal ■external

Third party verifier \* : Shozo Nakamuta

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

<sup>\*</sup> 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)





製品環境情報

PCR name	EP and IJ print	er	Product type		MX	-4071	
PCR code	AD-04	Product weight (kg)	87	Package (kg)	15	Weight total (kg)	102

				Life Cycle Stage		Produ	uction				Recycle
In/O	ut iten	ns			Unit	Raw material	Product	Distribution	Use	Disposition	Effect
				\	MJ	7.58E+03	1.69E+03	8.51E+02	1.98E+04	6.94E+01	-3.81E+03
		Er	nergy C	Consumption	Mcal	1.81E+03	4.05E+02	2.03E+02	4.74E+03	1.66E+01	-9.09E+02
			88	Coal	kg	5.89E+01	1.12E+01	1.99E-03	8.89E+01	1.65E-01	-2.33E+01
			ao nic	Crude oil (for fuel)	ka	7.08E+01	1.31E+01	1.86E+01	1.57E+02	1.21E+00	-3.31E+01
			96.	LNG	kg	1.37E+01	5.77E+00	2.87E-01	4.83E+01	9.89E-02	-8.96E-01
			Enel	Uranium content of an ore	kg	1.33E-03	7.55E-04	1.35E-07	5.07E-03	1.12E-05	1.50E-05
	Ē			Crude oil (for material)	kg	2.99E+01	8.61E-04	0	6.37E+01	0	-3.43E+01
	otic	၂ တ		Iron content of an ore	kg	4.53E+01	0	0	1.25E+01	0	-2.74E+01
	ш	Se		Cu content of an ore	kg	1.77E+00	0	0	4.05E-02	0	-3.08E-01
	Consumption	Ιχ		Al content of an ore	kg	8.31E-01	0	0	6.41E-01	0	-6.35E-01
	lo:	Se	S	Ni content of an ore	kg	3.64E-01	0	0	4.77E-01	0	-5.57E-04
		9	ဗ္ဗ	C content of an ore	kg	5.07E-01	0	0	6.50E-01	0	-1.02E-02
	rce	ple	ПC	Mn content of an ore	kg	2.77E-01	0	0	1.43E-01	0	-2.38E-02
	no	ısti	resources	Pb content of an ore	kg	8.50E-02	0	0	3.29E-03	0	-2.50E-02
	Resource	Exhaustible resources		Sn content of an ore	kg	0	0	0	0	0	0
	R	X	Mineral	Zn content of an ore	kg	8.48E-01	0	0	3.24E-02	0	-2.46E-01
	by	ш	≟	Au content of an ore	kg	0	0	0	0	0	0
	Impact		2	Ag content of an ore	kg	0	0	0	0	0	0
es	edu			Silica Sand	kg	3.20E+00	0	0	7.61E-01	0	-1.43E+00
anaiyses	≟			Halite	kg	2.37E+01	7.55E-04	0	3.30E+00	4.31E-02	-4.09E-01
Jaj.				Limestone	kg	9.76E+00	0	0	3.55E+00	5.50E-01	-4.99E+00
				Natural soda ash	kg	2.77E-01	0	0	6.97E-02	0	-1.34E-01
ا ک			Name of the last	Wood	kg	2.08E+01	0	0	3.67E+01	0	0
nventory			A consistent of the constant o	Water	kg	2.99E+04	8.58E+03	1.51E+00	6.18E+04	1.38E+02	-1.24E+03
Š	Ħ			CO2	kg	4.10E+02	8.86E+01	6.05E+01	8.61E+02	2.40E+01	-1.52E+02
=	me		Ф	Sox	kg	2.61E-01	6.68E-02	2.95E-02	5.94E-01	1.47E-02	-7.88E-02
	ron		ē	Nox	kg	4.82E-01	5.60E-02	1.61E-01	9.92E-01	7.02E-02	-2.38E-01
	Ş		<del>g</del>	N2O	kg	3.51E-02	1.65E-03	1.19E-02	6.93E-02	1.01E-04	-2.09E-02
	9		ë	CH4	kg	3.55E-03	2.02E-03	3.60E-07	1.35E-02	2.99E-05	5.28E-05
	ŧ		Atmosphere	CO	kg	5.61E-02	1.30E-02	1.69E-02	1.66E-01	2.13E-02	-2.10E-02
	) to		0	NMVOC	kg	6.94E-03	3.95E-03	7.05E-07	2.65E-02	5.85E-05	1.03E-04
	ırge		_	СхНу	kg	1.72E-02	4.48E-04	6.66E-03	2.60E-02	9.58E-04	-1.09E-02
	Emission/Discharge to the environment	L		Dust	kg	5.61E-02	3.15E-03	1.84E-02	8.23E-02	4.23E-03	-3.32E-02
	Dis	system	nain	BOD COD	kg	-	-	-	-	-	-
	J/IC	sys	o Water domain	N total	kg	-	-	-	-	-	-
	ssic	to Water	ater	P total	kg	-	-	-	-	-	-
	Risi	> 0	× ×	SS S	kg	-	-	•		-	-
		=		Unspecified Solid Waste	kg	3.58E+00	2.14E-03	0	8.53E+01	4.86E+01	-4.16E+00
	t b		system	Slag	kg kg	1.54E+01	0	0	4.21E+00	0	-8.55E+00
	Impact by		Soil sy	Sludge	kg kg	1.07E+00	0	0	1.37E+00	0	-0.35E+00 -1.36E+00
	Ē		S O	Low level radio-active waste	kg	9.33E-04	5.27E-04	9.41E-08	3.54E-03	7.80E-06	1.08E-05
±	. «		-	Energy resources (crude oil equivalent)	kg	1.36E+02	3.34E+01	1.89E+01	3.14E+02	1.53E+00	-4.91E+01
assessment	by Res		and the section of	Mineral resources (Iron ore equivalent)	kg	7.55E+02	4.74E-04	0	4.39E+02	0	-1.42E+02
SSL	ment		ē.	Global Warming (CO2 equivalent)	kg	4.19E+02	8.91E+01	6.37E+01	8.80E+02	2.41E+01	-1.58E+02
sse	Servicer		osphere	Acidification (SO2 equivalent)	kg	5.98E-01	1.06E-01	1.42E-01	1.29E+00	6.38E-02	-2.45E-01
, t	chargete		SO EL	-	- Kg	-	-	-	-	-	-
Impact	alon / Disa		to Atm	-	_	-	-	-	-	-	-
Ē	by Briss		_	_	_	-	-	-	-	-	-
_											

[Notes for readers: EcoLeaf common rules]

- 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).

Result of the "Impact analyses" is found in converting results of inventory analyses into total amount of a reference material (e.g. CO<sub>2</sub> 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.

- A. Exponential notation, after the decimal point to two, should be used.
- B. Indicate "0" 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**

	(Input data and parameters for LCA)
Document control no.	F-03s-02
Product vendor	Sharp Corporation Business Solutions BU
EcoLEaf registration no.	AD-19-E1119



PCR name	EP and IJ printer	Product type			MX-407	71	
LCA/LCIA in units of:	1	Product weight (kg)	87	Package (kg)	15	Weight total (kg)	102

1. Product information (per unit): parts etc. by material and by process/assembly method

	Bro	eakdown of p	rimary materials		Math breakdown of parts, which	ch need to apply	Processing / Assembly Base Ur	nits (Parts B, C)
	Material name	Weight (kg)	Material name	Weight (kg)	Process name	Weight (kg)	Process name	Weight (kg)
	Normal steel	3.90E+01	paper	5.94E+00	Press molding:līron (kg)	3.83E+01	Parts assembly (kg)	1.01E+02
	Stainless steel	2.30E+00	semiconductor substrates	2.97E+00	Press molding:Nonferrous metal (kg)	1.89E+01		
-	aluminum	4.72E-01	wood	8.15E+00	Injection molding (kg)	3.46E+01		
oduct	other metals	2.07E+00	Medium-sized motor (kg)	3.76E+00	Glass molding (kg)	2.42E+00		
	thermoplastic resins	3.46E+01	Ink (kg)	4.46E-03				
<u> </u>	thermosetting resins	5.94E-04						
	rubber	1.54E-01						
	glass	2.42E+00						
	Subtotal	8.10E+01	Subtotal	2.08E+01				
		Total		1.02E+02	Subtotal	9.43E+01	Subtotal	1.01E+02

Note Toners included to the "Use stage".

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

 ${\rm SOx}$  and  ${\rm NOx}$  should be indicated in  ${\rm SO_2},\,{\rm NO_2}$  equivalent.

e E	Classification	Energy	Energy	Energy	Material	Material	Energy	Material	
ag i	Distribution	Diesel oil as fuel (kg)	Heavy oil as fuel (kg)	Furnace LNG (kg)	Clean water (kg)	Acetone (kg)	Electricity (kWh)	Methanol(CH3OH) (kg)	
Insu	Quantity	1.54E-01	3.44E-01	9.56E-02	1.30E+02	8.61E-04	6.60E+01	1.50E-01	
Con	Note								
arge	Classification	Discharge							
Disch	Distribution	Sewage processing (kg)							
/uois	Quantity	1.30E+02							
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)	Freight by ship (kg·km)	Freight by ship (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)
e .	Quantity	1.02E+02	3.00E+01	1.00E+02	3.06E+03	1.02E+02	1.10E+04	1.00E+02	1.12E+06
outi	Note								
Distrib	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)	Diesel truck:2 ton (kg·km)	Diesel truck:2 ton (kg·km)	Diesel truck:2 ton (kg·km)	Diesel truck:2 ton (kg·km)
ĕ	Conditions	Mass(kg)	Distance (km)	Loading Ratio(%w)	Load(kg·km)	Mass(kg)	Distance (km)	Loading Ratio(%w)	Load(kg·km)
	Quantity	1.02E+02	7.00E+01	1.00E+02	7.14E+03	1.02E+02	3.00E+01	4.08E+01	7.50E+03
	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

	Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	Cold-Rolled steel plate (kg)	Electroplated steel Plate (kg)	Stainless steel plate (kg)	Copper plate (kg)	Aluminum plate (kg)	Glass (kg)	High density polyethylene (kg)	Low density polyethylene (kg)
	Quantity	7.07E+00	4.07E+00	3.02E+00	4.87E-02	6.06E-01	7.75E-01	4.12E-01	1.20E+00
	Note								
	Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	Polypropylene (kg)	Polystyrene (kg)	Polycarbonate (kg)	Polycarbonate-ABS (70/30) (kg)	POM(polyacetal) (kg)	ABS (kg)	MMA resin (kg)	PET (kg)
	Quantity	4.44E-02	3.34E+01	9.65E-01	1.09E+00	1.32E+00	6.86E-01	3.31E+01	3.50E-01
	Note								
	Classification	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption	Consumption
	Distribution	Expandable soft polyunethane(for automobile) (kg)	Nitrile-butadiene rubber(NBR) (kg)	Styrene-butadiene rubber(SBR) (kg)	Butadiene rubber (BR) (kg)	Methanol(CH3OH) (kg)	Corrugated cardboard (kg)	Paper(Western style) (kg)	Assembled circuit board (kg)
	Quantity	2.50E-01	7.35E-03	9.00E-02	1.06E-02	7.44E-03	1.72E+01	5.84E-02	1.87E-01
luc	Note								
Product	Classification	Consumption	Condition	Consumption	Consumption	Consumption	Consumption	Condition	Material
_	Distribution	Ink (kg)	Diesel truck:10 ton (kg·km)	Press molding:liron (kg)	Press molding:Nonferrous metal (kg)	Injection molding (kg)	Parts assembly (kg)	Freight by ship (kg·km)	Clean water (kg)
	Quantity	2.78E+00	3.26E+03	8.31E+00	2.09E+01	3.99E+01	6.91E+01	1.20E+06	2.28E+02
	Note								
	Classification	Material	Energy	Material	Energy	Energy	Condition	Consumption	Condition
	Distribution	Heavy oil as fuel (kg)	Furnace LNG (kg)	Acetone (kg)	Electricity (kWh)	Diesel oil as fuel (kg)	Diesel truck:10 ton (kg·km)	Electricity (kWh)	Diesel truck:2 ton (kg·km)
	Quantity	6.02E-01	1.67E-01	1.20E-03	6.41E+02	1.31E-01	7.61E+03	5.28E+02	8.15E+03
	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	8.15E+03	4.35E+04	1.36E+04					
	Note			_					

Note According to PCR provision, Environmental Impacts are calculated from the use stage of printing 960,000 sheets in 5 years.

ribution suantity	Discharge Sewage processing (kg)	Process Incineration: Industrial waste (kg)	Process  Landfill:Industrial waste (kg)	Process	Process	Process	Process	Process
	0. 0.0	Incineration: Industrial waste (kg)	Landflitadontal control (in)				1 100633	FIUCESS
uantity	0.005.00		Landilli.tildustrial waste (kg)	Incineration to landfill(as ash) (kg)	Landfill:General waste (kg)	Sorting Ston(by magnetic force) (kg)	Soling Northman netally edg-current with and Siran (Ag)	Sorting Plantice(by relative density difference in water) (kg)
	2.28E+02	8.60E+00	3.00E-01	8.60E+00	6.50E+01	2.62E+01	2.05E+01	1.98E+01
Note								
sification	Process	Process	Process	Process	Process	Process	Deduction	Deduction
ribution	Shredding (kg)	Recycle:fö cold-rolled steel (kg)	Recycle:to copper plate (kg)	Recycle:fö Aluminum plate (kg)	Recycle:tō Glass (kg)	Recycle:to Thermoplastic pellet (kg)	Cold-Rolled steel plate (kg)	Copper plate (kg)
uantity	2.62E+01	5.70E+00	2.00E-02	3.00E-01	4.00E-01	1.98E+01	5.70E+00	2.00E-02
Note								
sification	Deduction	Deduction	Deduction					
ribution A	Aluminum plate (kg)	Glass (kg)	ABS (kg)					
uantity	3.00E-01	4.00E-01	1.98E+01					
Note								
ri ua si ri	ote fication bution antity ote fication bution antity	ote   Process   bution   Shredding (kg)   antity   2.62E+01   ote   fication   Deduction   bution   Aluminum plate (kg)   antity   3.00E-01	Deduction   Dedu	Deduction   Dedu	process Process Process Process button Shredding (kg) Recyclests code-rolled steet (kg) Recyclests cooper plate (kg) Recyclests Atlanticum plate (kg) antity 2.62E+01 5.70E+00 2.00E-02 3.00E-01  process button Deduction Deduction Deduction button Deduction Deduction Deduction button Aluminum plate (kg) Glass (kg) ABS (kg)  antity 3.00E-01 4.00E-01 1.98E+01	Detail   Process   Proce	process Proces	process Proces

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

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

	Classification	Process	Process	Process	Process	Process	Process	Process	Process
	Distribution	Incineration: Industrial waste (kg)	Landfill:lthdustrial waste (kg)	Incineration to landfill(as ash) (kg)	Landfill:General waste (kg)	Shredding (kg)	Sorting Ston(by magnetic force) (kg)	Sorting Northman metalby abby current with and linker, (kg)	Sorting Plantice(by relative density difference in water) (kg)
	Quantity	7.10E+00	3.60E+00	7.10E+00	4.39E+01	4.03E+01	4.03E+01	1.96E+01	1.71E+01
	Note								
	Classification	Process	Process	Process	Process	Process	Deduction	Deduction	Deduction
nario	Distribution	Recycle:to cold-rolled steel (kg)	Recycle:to copper plate (kg)	Recycle:tō Aluminum plate (kg)	Recycle:tō Glass (kg)	Recycle:to Thermoplastic pellet (kg)	Cold-Rolled steel plate (kg)	Copper plate (kg)	Aluminum plate (kg)
cen	Quantity	2.07E+01	1.00E+00	3.00E-01	1.20E+00	1.71E+01	2.07E+01	1.00E+00	3.00E-01
S	Note								
	Classification	Deduction	Deduction	Condition	Condition	Condition			
	Distribution	Glass (kg)	ABS (kg)	Diesel truck:4 ton (kg·km)	Diesel truck:10 ton (kg·km)	Diesel truck:4 ton (kg·km)			
	Quantity	1.20E+00	1.71E+01	7.50E+03	2.05E+04	6.25E+03			
	Note		·				·		

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

### 6. Others

The following basic units are used in this LCA.
The sources of these basic units are provided in the Eco Leaf Environmental Label LCI Common Basic Unit(V2.1.)

No	Field	Base Unit Name	Unit
1	Material Production(Metal)	Cold-Rolled steel plate	kg
2		Electroplated steel Plate	kg
6	1	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		PBT	kg
32		Polycarbonate	kg
33		Polycarbonate-ABS (70/30)	kg
34		POM (polyacetal)	kg
36	1	ABS	kg
38	1	MMA resin	kg
39	1	PA66 (Polyamide 66)	kg
40	1	PET	kg
43	1	Expandable soft polyurethane	kg
46	1	Acrylic Nitrile	kg
47	1	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)	1
55	Material Production(Organic Chemistry)	Methanol (CH3OH)	kg
	The contract of the contract o		kg
62	Material Production(Wood and Paper)	Acetone	kg
67 69	- Induction (Wood and Laper)	Corrugated cardboard	kg
	1	Paper (Western style)	kg
71	-	Wood chip (imported)	kg
72	Material Production(General)	Raw wood (imported)	kg
76	waterial Production(General)	Assembled circuit board	kg
78		Medium-sized motor	kg
83	parts Production(Others)	Ink	kg
85	Processing	Press molding: Iron	kg
86	1	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	1	Diesel truck: 4 ton	kg.km
93		Diesel truck: 10 ton	kg.km
97		Freight by ship	kg.km
99	Electricity and Fuel	Electricity	kWh
100	]	Heavy oil as fuel	kg
101	_	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	1	Sorting: Iron	kg
131	]	Sorting: Nonferrous metal	kg
132		Sorting: Plastics	kg
134	Disposition and Recycle (Incineration and Landfill	Incineration: Industrial waste	kg
137	]	Landfill: Industrial waste	kg
138	Disposition and Recycle (Recovery)	Recycle: to cold-rolled steel	kg
139	1	Recycle: to copper plate	kg
140	1	Recycle: to Aluminum plate	kg
141	1	Recycle: to Thermoplastic pellet	kg
145	†	Recycle: to Glass	kg
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