



Product Carbon Footprint Calculation Results

02/04/2025 - 15:45

Product	SKU
DRESSES	SOFIA JUMPSUIT

Layer	Gender	Wastage Percentage
Tops	Women	5%

Property Name	Property Value	SQM
Upper body length	regular	0.6
Fit	slim	1.44
Sleeves	no sleeves	0
Neck	crew	0
EU SIZE	L woman	0.19897744204083448

Layer	Gender	Wastage Percentage
Skirts	Women	5%

Property Name	Property Value	SQM
Length	long	0.69
Shape	circle	324
Rise	regular	0
EU SIZE	L woman	0.19897744204083448

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	67%	14.54	180.7807	2628.5516
Acetate	33%	38	151.3701	5752.0645
Total	100%	52.54	332.15	8380.62

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Acetate	CHINA	CHINA		0
Total				0

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Viscose generic (CHINA) 46.5868	Acetate (CHINA) 39.0078
Winding (CO2e g)	Viscose generic (CHINA) 107.1497	Acetate (CHINA) 89.7179
Sizing (CO2e g)	Viscose generic (CHINA) 2.2294	Acetate (CHINA) 1.8667
Ring Spinning (CO2e g)	Viscose generic (CHINA) 223.6168	Acetate (CHINA) 187.2373
Warping (CO2e g)	Viscose generic (CHINA) 7.5799	Acetate (CHINA) 6.3467
Roving (Co2e g)	Viscose generic (CHINA) 18.6347	Acetate (CHINA) 15.6031
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 57.9636	Acetate (CHINA) 48.5337
Blowing (CO2e g)	Viscose generic (CHINA) 41.9281	Acetate (CHINA) 35.107
Drawing (CO2e g)	Viscose generic (CHINA) 27.9521	Acetate (CHINA) 23.4047
Total	533.64109999999999	446.8249

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Acetate	CHINA	CHINA		0
Total				0

External - Cutting & Stitching

Process Name	Material	
Major cutting	Viscose generic (INDIA) 0.0085	Acetate (INDIA) 0.0071
Total	0.0085	0.0071

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Acetate	INDIA	INDIA		0
Total				0

External - Fabric Production

Process Name	Material	
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.1999	Acetate (CHINA) 0.1674
Weaving (CO2e g)	Viscose generic (CHINA) 189.9463	Acetate (CHINA) 159.0446
Total	190.14620000000002	159.212

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Acetate	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

External - Garment Manufacturing

Process Name	Material	
Finishing Emissions (CO2g)	Viscose generic (INDIA) 105.2144	Acetate (INDIA) 88.0974
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 105.2144	Acetate (INDIA) 88.0974
Washing & Drying Emissions	Viscose generic (INDIA) 15.4314	Acetate (INDIA) 12.921
Total	225.8602	189.11579999999998

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Acetate	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.1483	2

External - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Acetate	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Fabric_2 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Silk generic	54%	52.5	101.9927	5354.6168
Viscose generic	40%	14.54	107.9288	1569.2845
Elastane generic	6%	10.7	32.3786	346.4514
Total	100%	77.74	242.3	7270.35

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	CHINA	CHINA		0
Viscose generic	CHINA	CHINA		0
Elastane generic	CHINA	CHINA		0
Total				0

Fabric_2 - Yarn Production

Process Name	Material		
Carding (CO2e g)	Silk generic (CHINA) 26.2833	Viscose generic (CHINA) 27.813	Elastane generic (CHINA) 8.3439

Process Name	Material		
Winding (CO2e g)	Silk generic (CHINA) 60.4516	Viscose generic (CHINA) 63.97	Elastane generic (CHINA) 19.191
Sizing (CO2e g)	Silk generic (CHINA) 1.2578	Viscose generic (CHINA) 1.331	Elastane generic (CHINA) 0.3993
Ring Spinning (CO2e g)	Silk generic (CHINA) 126.1599	Viscose generic (CHINA) 133.5026	Elastane generic (CHINA) 40.0508
Warping (CO2e g)	Silk generic (CHINA) 4.2764	Viscose generic (CHINA) 4.5253	Elastane generic (CHINA) 1.3576
Roving (Co2e g)	Silk generic (CHINA) 10.5133	Viscose generic (CHINA) 11.1252	Elastane generic (CHINA) 3.3376
Yarn Production - Dyeing (CO2e g)	Silk generic (CHINA) 32.7019	Viscose generic (CHINA) 34.6051	Elastane generic (CHINA) 10.3815
Blowing (CO2e g)	Silk generic (CHINA) 23.655	Viscose generic (CHINA) 25.0317	Elastane generic (CHINA) 7.5095
Drawing (CO2e g)	Silk generic (CHINA) 15.77	Viscose generic (CHINA) 16.6878	Elastane generic (CHINA) 5.0063
Total	301.0692	318.5917	95.5775

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	CHINA	CHINA		0
Viscose generic	CHINA	CHINA		0
Elastane generic	CHINA	CHINA		0
Total				0

Fabric_2 - Cutting & Stitching

Process Name	Material		
Major cutting	Silk generic (INDIA) 0.0048	Viscose generic (INDIA) 0.0051	Elastane generic (INDIA) 0.0015
Total	0.0048	0.0051	0.0015

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Viscose generic	INDIA	INDIA		0
Elastane generic	INDIA	INDIA		0
Total				0

Fabric_2 - Fabric Production

Process Name	Material		
Heat Setting (CO2e g)	Silk generic (CHINA) 0.1128	Viscose generic (CHINA) 0.1194	Elastane generic (CHINA) 0.0358
Weaving (CO2e g)	Silk generic (CHINA) 107.1637	Viscose generic (CHINA) 113.4008	Elastane generic (CHINA) 34.0202
Total	107.2765	113.5202	34.056000000000004

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Viscose generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Elastane generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

Fabric_2 - Garment Manufacturing

Process Name	Material		
Finishing Emissions (CO2g)	Silk generic (INDIA) 59.3598	Viscose generic (INDIA) 62.8146	Elastane generic (INDIA) 18.8444
Laundry Emissions (CO2e g)	Silk generic (INDIA) 59.3598	Viscose generic (INDIA) 62.8146	Elastane generic (INDIA) 18.8444
Washing & Drying Emissions	Silk generic (INDIA) 8.7061	Viscose generic (INDIA) 9.2128	Elastane generic (INDIA) 2.7638
Total	127.4257	134.84199999999998	40.452600000000004

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Viscose generic	INDIA	INDIA		0
Elastane generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.1483	2

Fabric_2 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Silk generic	INDIA	INDIA		0
Viscose generic	INDIA	INDIA		0
Elastane generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Fabric_3 - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Viscose generic	100%	14.54	269.822	3923.2113
Total	100%	14.54	269.82	3923.21

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

Fabric_3 - Yarn Production

Process Name	Material
Carding (CO2e g)	Viscose generic (CHINA) 69.5326
Winding (CO2e g)	Viscose generic (CHINA) 159.9249
Sizing (CO2e g)	Viscose generic (CHINA) 3.3274
Ring Spinning (CO2e g)	Viscose generic (CHINA) 333.7564
Warping (CO2e g)	Viscose generic (CHINA) 11.3132
Roving (Co2e g)	Viscose generic (CHINA) 27.813
Yarn Production - Dyeing (CO2e g)	Viscose generic (CHINA) 86.5129
Blowing (CO2e g)	Viscose generic (CHINA) 62.5793
Drawing (CO2e g)	Viscose generic (CHINA) 41.7195
Total	796.4792

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	CHINA		0
Total				0

Fabric_3 - Fabric Production

Process Name	Material
Heat Setting (CO2e g)	Viscose generic (CHINA) 0.2984
Weaving (CO2e g)	Viscose generic (CHINA) 283.5019
Total	283.8003

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	CHINA	INDIA	Truck/Heavy goods vehicle - 0 Aircraft - 0	0
Total				0

Fabric_3 - Garment Manufacturing

Process Name	Material
Finishing Emissions (CO2g)	Viscose generic (INDIA) 157.0364
Laundry Emissions (CO2e g)	Viscose generic (INDIA) 157.0364
Washing & Drying Emissions	Viscose generic (INDIA) 23.032

Process Name	Material
Total	337.10479999999995

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
Addition	Zip (cm)	INDIA	0.1908	20
Addition	Swarovski (10grams/unit)	INDIA	0.1483	2

Fabric_3 - Finishing & Packaging

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	INDIA		0
Total				0

Production Group	Process Name	Country	CO2e	Value
---	Plastic Hanger	INDIA	0.1209	1

Final Transportation

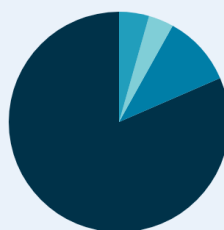
Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Viscose generic	INDIA	UNITED KINGDOM	AIR - 0	0
Acetate	INDIA	UNITED KINGDOM	AIR - 0	0
Total				0

Total Carbon Footprint

24.01 kg CO₂e

Estimated Offsetting Cost In EUR *

2.4 €



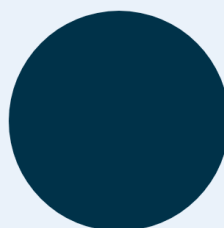
- Raw Material (81.51%)
- Yarn Production (10.38%)
- Fabric Production (3.70%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.39%)
- Finishing & Packaging (0.00%)

Raw Material Carbon Footprint

19.57 kg CO₂e

Estimated Offsetting Cost In EUR *

1.96 €



- Raw Material (100%)

Transportation Carbon Footprint

0 kg CO₂e

Estimated Offsetting Cost In EUR *

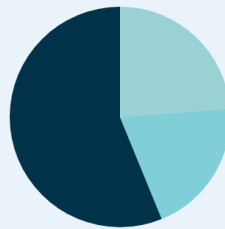
0 €

Process Carbon Footprint

4.44 kg CO₂e

Estimated Offsetting Cost In EUR *

0.44 €



- Yarn Production (56.13%)
- Cutting & Stitching (0.00%)
- Fabric Production (20.00%)
- Garment Manufacturing (23.76%)
- Finishing & Packaging (0.00%)

* Current Average Market Value Of High Quality Carbon Credit

The software tools and services provided by Edmond Climate Network SA (hereinafter referred to as "the Company") are designed to assist users in the calculation and optimization of the carbon footprint of products in the fashion industry. However, the results, data, and recommendations provided by our software are for informational purposes only, with a tolerance of +/-10% and are not intended to constitute professional advice.

By using our software, the user acknowledges and agrees that the Company shall not be held responsible or liable for any direct, indirect, incidental, consequential, or punitive damages, including but not limited to any loss of profits, data, or business interruptions, that may arise from the use, misuse, or reliance on any data or information generated by our tools.

Furthermore, it is the sole responsibility of the user to ensure the accuracy, completeness, and verifiability of all data entered into the Company's software. The Company is not liable for any errors, inaccuracies, or omissions in the input data provided by the user. The user is responsible for ensuring that the data provided for calculation is correct and up-to-date. The Company does not guarantee the accuracy, reliability, or completeness of the results generated from the software, which are contingent upon the input data provided by the user.

The user understands and agrees that the Company provides no warranties, express or implied, regarding the accuracy, applicability, or reliability of the results generated by the software and disclaims any responsibility for the consequences of decisions made based on such results.

By using the software, the user agrees to indemnify and hold harmless the Company, its officers, directors, employees, and agents from any claims, damages, or losses resulting from the misuse of the software or any failure by the user to input correct or verifiable data.

This disclaimer is subject to change without notice, and users are encouraged to review it regularly to stay informed of any updates.

