

## Product Carbon Footprint Calculation Results

07/16/2025 - 15:24

| Product | SKU          |
|---------|--------------|
| DRESSES | 25AWLLY51990 |

| 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              | boat           | -0.045             |
| EU SIZE           | S woman        | 0.1935085228292251 |

| Layer  | Gender | Wastage Percentage |
|--------|--------|--------------------|
| Skirts | Women  | 5%                 |

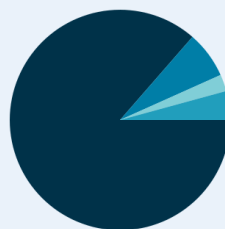
| Property Name | Property Value | SQM                |
|---------------|----------------|--------------------|
| Length        | long           | 0.69               |
| Shape         | tulle          | 484                |
| Rise          | regular        | 0                  |
| EU SIZE       | S woman        | 0.1935085228292251 |

### Total Carbon Footprint

**26.64** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**2.66** €



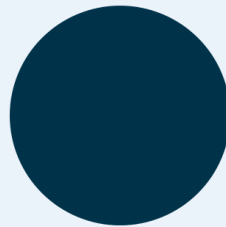
- Raw Material (86.41%)
- Yarn Production (6.89%)
- Fabric Production (2.46%)
- Cutting & Stitching (0.00%)
- Garment Manufacturing (4.24%)
- Finishing & Packaging (0.00%)

## Raw Material Carbon Footprint

**23.02** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**2.3** €



● Raw Material (100%)

## Transportation Carbon Footprint

**0** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

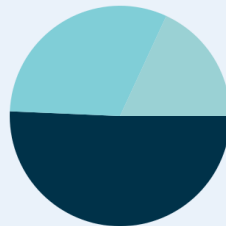
**0** €

## Process Carbon Footprint

**3.62** kg CO<sub>2</sub>e

Estimated Offsetting Cost In EUR \*

**0.36** €



● Yarn Production (50.69%)  
● Cutting & Stitching (0.00%)  
● Garment Manufacturing (31.22%)  
● Fabric Production (18.10%)  
● Finishing & Packaging (0.00%)

\* Current Average Market Value Of High Quality Carbon Credit

## Phases country risk

| Layer                                      | Production Phase      | Country | Country Risk / Provider |
|--------------------------------------------|-----------------------|---------|-------------------------|
| Silk Light Georgette                       | Raw Material          | INDIA   | High Risk               |
| Silk Light Georgette                       | Yarn Production       | INDIA   | High Risk               |
| Silk Light Georgette                       | Fabric Production     | INDIA   | High Risk               |
| Silk Light Georgette                       | Cutting & Stitching   | INDIA   | High Risk               |
| Silk Light Georgette                       | Garment Manufacturing | INDIA   | High Risk               |
| Silk Light Georgette                       | Finishing & Packaging | INDIA   | High Risk               |
| 22mm Viscose Silk Stretch Double Georgette | Raw Material          | CHINA   | High Risk               |
| 22mm Viscose Silk Stretch Double Georgette | Yarn Production       | CHINA   | High Risk               |
| 22mm Viscose Silk Stretch Double Georgette | Fabric Production     | CHINA   | High Risk               |
| 22mm Viscose Silk Stretch Double Georgette | Cutting & Stitching   | INDIA   | High Risk               |
| 22mm Viscose Silk Stretch Double Georgette | Garment Manufacturing | INDIA   | High Risk               |

| Layer                                      | Production Phase      | Country | Country Risk / Provider |
|--------------------------------------------|-----------------------|---------|-------------------------|
| 22mm Viscose Silk Stretch Double Georgette | Finishing & Packaging | INDIA   | High Risk               |
| Dot Tulle                                  | Raw Material          | INDIA   | High Risk               |
| Dot Tulle                                  | Yarn Production       | INDIA   | High Risk               |
| Dot Tulle                                  | Fabric Production     | INDIA   | High Risk               |
| Dot Tulle                                  | Cutting & Stitching   | INDIA   | High Risk               |
| Dot Tulle                                  | Garment Manufacturing | INDIA   | High Risk               |
| Dot Tulle                                  | Finishing & Packaging | INDIA   | High Risk               |

### Water Footprint & Land Impact Summary

| Production Phase      | Green Water (liters) | Blue Water (liters) | Grey Water (liters) |
|-----------------------|----------------------|---------------------|---------------------|
| Raw Material          | 9842.02              | 844.41              | 5246.11             |
| Yarn Production       | 0                    | 675.53              | 3672.28             |
| Fabric Production     | 0                    | 633.31              | 3934.58             |
| Garment Manufacturing | 0                    | 967.75              | 6518.41             |
| <b>Total (Liters)</b> | <b>9842.02</b>       | <b>3121</b>         | <b>19371.38</b>     |

| Land Impact Summary        |             |
|----------------------------|-------------|
| <b>Total Land Use (m2)</b> | <b>0.06</b> |

### Silk Light Georgette - Raw Material

| Material     | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams      |
|--------------|-------------|---------------|---------------|-----------------|
| Silk India   | 100%        | 80.9          | 189.0879      | 15297.2081      |
| <b>Total</b> | <b>100%</b> | <b>80.9</b>   | <b>189.09</b> | <b>15297.21</b> |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

### Silk Light Georgette - Yarn Production

| Process Name           | Material                    |
|------------------------|-----------------------------|
| Carding (CO2e g)       | Silk India (INDIA) 68.3772  |
| Winding (CO2e g)       | Silk India (INDIA) 157.2676 |
| Sizing (CO2e g)        | Silk India (INDIA) 3.2721   |
| Ring Spinning (CO2e g) | Silk India (INDIA) 328.2105 |
| Warping (CO2e g)       | Silk India (INDIA) 11.1252  |
| Roving (Co2e g)        | Silk India (INDIA) 27.3509  |
| Dyeing (CO2e g)        | Silk India (INDIA) 85.0753  |
| Blowing (CO2e g)       | Silk India (INDIA) 61.5395  |
| Drawing (CO2e g)       | Silk India (INDIA) 41.0263  |
| <b>Total</b>           | <b>783.2445999999999</b>    |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Silk Light Georgette - Cutting & Stitching

| Process Name  | Material                  |
|---------------|---------------------------|
| Major cutting | Silk India (INDIA) 0.0089 |
| <b>Total</b>  | <b>0.0089</b>             |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Silk Light Georgette - Garment Manufacturing

| Process Name               | Material                    |
|----------------------------|-----------------------------|
| Garment dyeing (CO2e g)    | Silk India (INDIA) 180.4806 |
| Finishing Emissions (CO2g) | Silk India (INDIA) 110.0491 |
| Laundry Emissions (CO2e g) | Silk India (INDIA) 110.0491 |
| Washing & Drying Emissions | Silk India (INDIA) 16.1405  |
| <b>Total</b>               | <b>416.7193</b>             |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

| Production Group | Process Name | Country | CO2e   | Value |
|------------------|--------------|---------|--------|-------|
| Addition         | Zip (cm)     | INDIA   | 0.3816 | 40    |

## Silk Light Georgette - Fabric Production

| Process Name          | Material                    |
|-----------------------|-----------------------------|
| Heat Setting (CO2e g) | Silk India (INDIA) 0.2935   |
| Coating (CO2e g)      | Silk India (INDIA) 0        |
| Bonding (CO2e g)      | Silk India (INDIA) 0.6089   |
| Weaving (CO2e g)      | Silk India (INDIA) 278.7911 |
| <b>Total</b>          | <b>279.6935</b>             |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Silk Light Georgette - Finishing & Packaging

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

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

## 22mm Viscose Silk Stretch Double Georgette - Raw Material

| Material         | Percentage  | CO2e per GRAM | Fabric Grams  | CO2e Grams     |
|------------------|-------------|---------------|---------------|----------------|
| Silk generic     | 54%         | 52.5          | 102.1074      | 5360.6409      |
| Viscose generic  | 40%         | 14.54         | 108.0502      | 1571.05        |
| Elastane generic | 6%          | 10.7          | 32.4151       | 346.8412       |
| <b>Total</b>     | <b>100%</b> | <b>77.74</b>  | <b>242.57</b> | <b>7278.53</b> |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | CHINA          | CHINA               |            | 0                    |
| Viscose generic  | CHINA          | CHINA               |            | 0                    |
| Elastane generic | CHINA          | CHINA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

## 22mm Viscose Silk Stretch Double Georgette - Yarn Production

| Process Name           | Material                         |                                     |                                     |
|------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Carding (CO2e g)       | Silk generic (CHINA)<br>26.3129  | Viscose generic (CHINA)<br>27.8443  | Elastane generic (CHINA)<br>8.3533  |
| Winding (CO2e g)       | Silk generic (CHINA)<br>60.5196  | Viscose generic (CHINA)<br>64.0419  | Elastane generic (CHINA)<br>19.2126 |
| Sizing (CO2e g)        | Silk generic (CHINA)<br>1.2592   | Viscose generic (CHINA)<br>1.3325   | Elastane generic (CHINA)<br>0.3997  |
| Ring Spinning (CO2e g) | Silk generic (CHINA)<br>126.3018 | Viscose generic (CHINA)<br>133.6527 | Elastane generic (CHINA)<br>40.0958 |
| Warping (CO2e g)       | Silk generic (CHINA)<br>4.2812   | Viscose generic (CHINA)<br>4.5304   | Elastane generic (CHINA)<br>1.3591  |
| Roving (Co2e g)        | Silk generic (CHINA)<br>10.5252  | Viscose generic (CHINA)<br>11.1377  | Elastane generic (CHINA)<br>3.3413  |
| Dyeing (CO2e g)        | Silk generic (CHINA)<br>32.7386  | Viscose generic (CHINA)<br>34.6441  | Elastane generic (CHINA)<br>10.3932 |
| Blowing (CO2e g)       | Silk generic (CHINA)<br>23.6816  | Viscose generic (CHINA)<br>25.0599  | Elastane generic (CHINA)<br>7.518   |
| Drawing (CO2e g)       | Silk generic (CHINA)<br>15.7877  | Viscose generic (CHINA)<br>16.7066  | Elastane generic (CHINA)<br>5.012   |
| <b>Total</b>           | <b>301.4078</b>                  | <b>318.95009999999999</b>           | <b>95.685</b>                       |

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

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| <b>Total</b> |                |                     |            | <b>0</b>             |

## 22mm Viscose Silk Stretch Double Georgette - Cutting & Stitching

| Process Name  | Material                       |                                   |                                    |  |
|---------------|--------------------------------|-----------------------------------|------------------------------------|--|
| Major cutting | Silk generic (INDIA)<br>0.0048 | Viscose generic (INDIA)<br>0.0051 | Elastane generic (INDIA)<br>0.0015 |  |
| <b>Total</b>  | <b>0.0048</b>                  | <b>0.0051</b>                     | <b>0.0015</b>                      |  |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | INDIA          | INDIA               |            | 0                    |
| Viscose generic  | INDIA          | INDIA               |            | 0                    |
| Elastane generic | INDIA          | INDIA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

## 22mm Viscose Silk Stretch Double Georgette - Garment Manufacturing

| Process Name               | Material                        |                                     |                                     |  |
|----------------------------|---------------------------------|-------------------------------------|-------------------------------------|--|
| Garment dyeing (CO2e g)    | Silk generic (INDIA)<br>97.4595 | Viscose generic (INDIA)<br>103.1318 | Elastane generic (INDIA)<br>30.9395 |  |
| Finishing Emissions (CO2g) | Silk generic (INDIA)<br>59.4265 | Viscose generic (INDIA)<br>62.8852  | Elastane generic (INDIA)<br>18.8656 |  |
| Laundry Emissions (CO2e g) | Silk generic (INDIA)<br>59.4265 | Viscose generic (INDIA)<br>62.8852  | Elastane generic (INDIA)<br>18.8656 |  |
| Washing & Drying Emissions | Silk generic (INDIA)<br>8.7159  | Viscose generic (INDIA)<br>9.2232   | Elastane generic (INDIA)<br>2.7669  |  |
| <b>Total</b>               | <b>225.0284</b>                 | <b>238.12539999999998</b>           | <b>71.4376</b>                      |  |

| Material         | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|------------------|----------------|---------------------|------------|----------------------|
| Silk generic     | INDIA          | INDIA               |            | 0                    |
| Viscose generic  | INDIA          | INDIA               |            | 0                    |
| Elastane generic | INDIA          | INDIA               |            | 0                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

| Production Group | Process Name | Country | CO2e   | Value |
|------------------|--------------|---------|--------|-------|
| Addition         | Zip (cm)     | INDIA   | 0.3816 | 40    |

## 22mm Viscose Silk Stretch Double Georgette - Fabric Production

| Process Name          | Material                       |                                   |                                    |  |
|-----------------------|--------------------------------|-----------------------------------|------------------------------------|--|
| Heat Setting (CO2e g) | Silk generic (CHINA)<br>0.1129 | Viscose generic (CHINA)<br>0.1195 | Elastane generic (CHINA)<br>0.0359 |  |
| Coating (CO2e g)      | Silk generic (CHINA) 0         | Viscose generic (CHINA) 0         | Elastane generic (CHINA) 0         |  |
| Bonding (CO2e g)      | Silk generic (CHINA)<br>0.2343 | Viscose generic (CHINA)<br>0.248  | Elastane generic (CHINA)<br>0.0744 |  |

| Process Name     | Material                         |                                     |                                     |
|------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Weaving (CO2e g) | Silk generic (CHINA)<br>107.2843 | Viscose generic (CHINA)<br>113.5284 | Elastane generic (CHINA)<br>34.0585 |
| <b>Total</b>     | <b>107.6315</b>                  | <b>113.89590000000001</b>           | <b>34.168800000000005</b>           |

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

## 22mm Viscose Silk Stretch Double Georgette - 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                    |
| <b>Total</b>     |                |                     |            | <b>0</b>             |

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

## Dot Tulle - Raw Material

| Material     | Percentage  | CO2e per GRAM | Fabric Grams | CO2e Grams    |
|--------------|-------------|---------------|--------------|---------------|
| Nylon 6      | 100%        | 5.5           | 81.0377      | 445.7071      |
| <b>Total</b> | <b>100%</b> | <b>5.5</b>    | <b>81.04</b> | <b>445.71</b> |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Nylon 6      | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Dot Tulle - Yarn Production

| Process Name           | Material                 |
|------------------------|--------------------------|
| Carding (CO2e g)       | Nylon 6 (INDIA) 29.3045  |
| Winding (CO2e g)       | Nylon 6 (INDIA) 67.4004  |
| Sizing (CO2e g)        | Nylon 6 (INDIA) 1.4023   |
| Ring Spinning (CO2e g) | Nylon 6 (INDIA) 140.6617 |
| Warping (CO2e g)       | Nylon 6 (INDIA) 4.768    |

| Process Name     | Material                |
|------------------|-------------------------|
| Roving (CO2e g)  | Nylon 6 (INDIA) 11.7218 |
| Dyeing (CO2e g)  | Nylon 6 (INDIA) 36.4609 |
| Blowing (CO2e g) | Nylon 6 (INDIA) 26.3741 |
| Drawing (CO2e g) | Nylon 6 (INDIA) 17.5827 |
| <b>Total</b>     | <b>335.6764</b>         |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Nylon 6      | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Dot Tulle - Cutting & Stitching

| Process Name  | Material               |
|---------------|------------------------|
| Major cutting | Nylon 6 (INDIA) 0.0038 |
| <b>Total</b>  | <b>0.0038</b>          |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Nylon 6      | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Dot Tulle - Garment Manufacturing

| Process Name               | Material                |
|----------------------------|-------------------------|
| Garment dyeing (CO2e g)    | Nylon 6 (INDIA) 77.3488 |
| Finishing Emissions (CO2g) | Nylon 6 (INDIA) 47.1639 |
| Laundry Emissions (CO2e g) | Nylon 6 (INDIA) 47.1639 |
| Washing & Drying Emissions | Nylon 6 (INDIA) 6.9174  |
| <b>Total</b>               | <b>178.594</b>          |

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Nylon 6      | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

| Production Group | Process Name | Country | CO2e   | Value |
|------------------|--------------|---------|--------|-------|
| Addition         | Zip (cm)     | INDIA   | 0.3816 | 40    |

## Dot Tulle - Fabric Production

| Process Name          | Material                  |
|-----------------------|---------------------------|
| Heat Setting (CO2e g) | Nylon 6 (INDIA) 0.1258    |
| Coating (CO2e g)      | Nylon 6 (INDIA) 0         |
| Bonding (CO2e g)      | Nylon 6 (INDIA) 0.261     |
| Weaving (CO2e g)      | Nylon 6 (INDIA) 119.4819  |
| <b>Total</b>          | <b>119.86869999999999</b> |



| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Nylon 6      | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

## Dot Tulle - Finishing & Packaging

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Nylon 6      | INDIA          | INDIA               |            | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

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

## Final Transportation

| Material     | Origin Country | Destination Country | Transports | Transport CO2e Grams |
|--------------|----------------|---------------------|------------|----------------------|
| Silk India   | INDIA          | UNITED KINGDOM      | AIR - 0    | 0                    |
| <b>Total</b> |                |                     |            | <b>0</b>             |

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.

