



Declaration of Life Cycle Assessment (LCA) Results

Product Name / Code: 55-3825

Assessment Conducted By: Positive Planet
Assessment Standard: ISO 14040 / 14044 and PEF compliant methodology
Publish Date: 16th May 2025 Version 1.0
Functional Unit: 1 pair of 55-3825 gloves, size 8

Scope of Assessment

The Life Cycle Assessment covers the **cradle-to-gate** LCA framework, including:

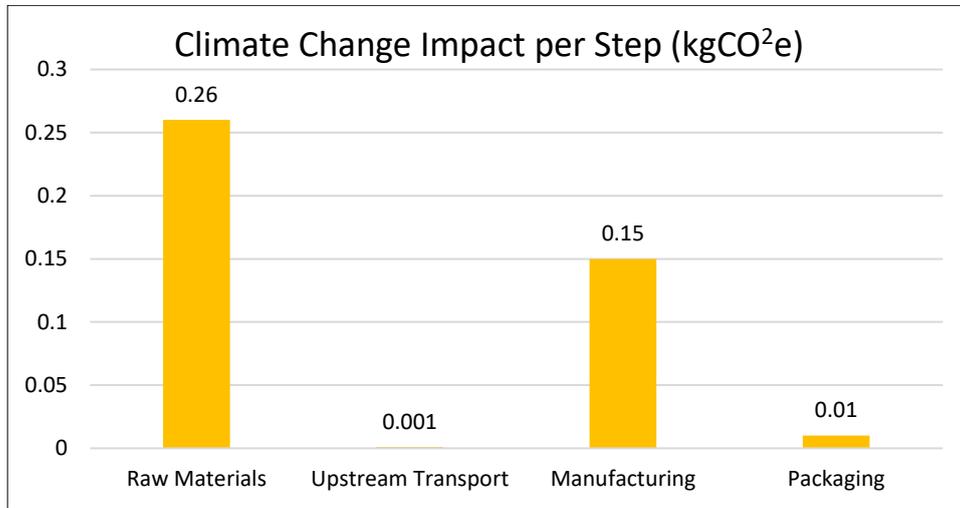
- Raw material extraction and pre-processing
- Upstream transportation (raw materials to plant)
- Manufacturing and processing of the product
- Packaging (primary, secondary and tertiary packaging)

Global Results

| Impact Indicator Category | Units | Total Impact |
|------------------------------------|-------------------------|---------------|
| Global Warming Potential (GWP) | kg CO ₂ e | 0.422 |
| Acidification Potential | mol H ⁺ -eq | 0.00246 |
| Ecotoxicity: freshwater | CTUe | 1.81 |
| Energy Resources: non-renewable | MJ net VC | 6.58 |
| Eutrophication: freshwater | kg PO ₄ -eq | 0.000129 |
| Eutrophication: marine | kg N-eq | 0.000489 |
| Eutrophication: terrestrial | mol N-eq | 0.00476 |
| Human Toxicity: carcinogenic | CTUh | 0.00000000226 |
| Human Toxicity: non-carcinogenic | CTUh | 0.0000000132 |
| Ionising Radiation: human health | kBq U235-eq | 0.00857 |
| Land Use | Dimensionless | 1.91 |
| Material Resource: metals/minerals | kg Sb-eq | 0.00000148 |
| Ozone Depletion | kg CFC-11-eq | 0.0000000777 |
| Particulate Matter | Disease inc. | 0.0000000167 |
| Photochemical Oxidant Formation | kg NMVOC-eq | 0.00874 |
| Water Consumption | m ³ world eq | 0.0777 |

Assumptions & Limitations

- Yarn manufacturing has been estimated with Ecoinvent for certain types of yarns.
- The energy needed for each manufacturing step has been estimated considering that the machine will use its maximum power.
- Results are for informational purposes and do not constitute an environmental certification unless explicitly stated.
- Detailed LCA data is proprietary and confidential.



Extension: gate-to-customer measurement

For the UK maximum assumed distance scenario, the transport contributes 5% to give the gate-to-customer measurement.

Gate-to-customer (distributor UK) measurement conducted as an extension by Positive Planet to give a worst-case scenario transport impact value of: 0.02kgCO₂e

Conclusion

The impact on the 16 indicators of the PEF has been calculated for one pair of Tilsatec gloves 55-3825. The data used for the Positive Planet model has been considered to have a High Data Quality Score to give an LCA climate change value of:

Cradle-to-Gate: 0.422kgCO₂e
 Cradle-to-Customer: 0.442 kgCO₂e

Declaration Statement

We declare that this summary accurately reflects the LCA results for 55-3825, based on the assessments conducted. This declaration may be shared with customers and stakeholders without revealing confidential LCA data.

Signed on behalf of [Tilsatec]



Maria Kramer, Technical Manager
 Date: 09th January 2026