

# Pevalen™ Pro 100

A renewable-based phthalate free plasticizer

## Product Description

Pevalen™ Pro 100 is a renewable-based plasticizer ready to be dropped into existing formulations. Based on a traceable mass balance concept applying chemical and physical traceability, this Pro-Environment product is designed to reduce the carbon footprint throughout the value chain and to support sustainable sourcing of renewable and recycled raw materials.

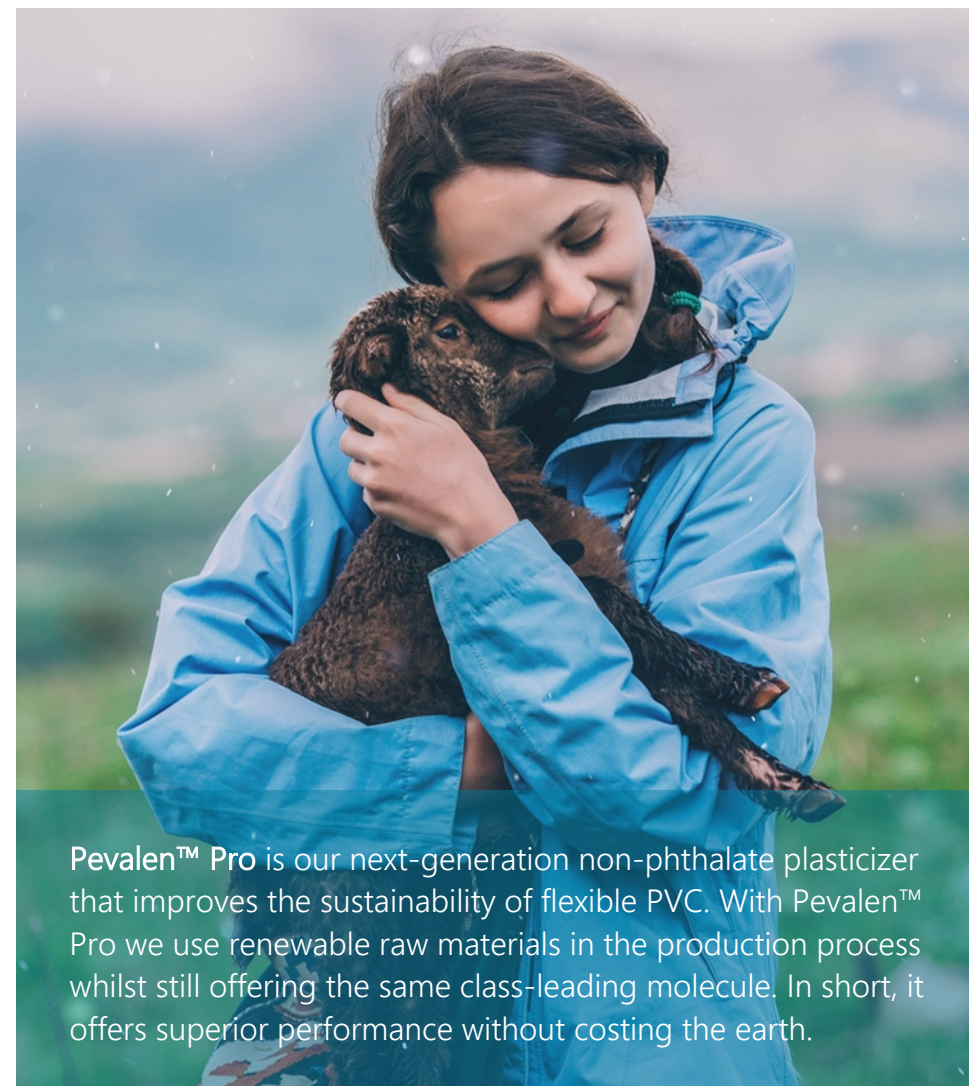
Pevalen™ Pro 100 is based on 100% renewable carbon content and carries the ISCC PLUS certification for the mass balance and the calculation of the product's greenhouse gas value. This third party certification ensures that the sustainable raw materials used are sourced responsibly and sustainably from cradle to gate.

## Segment Applications

Coated fabrics, Artificial leather, Flooring, Wall covering, Automotive interiors, PVC plastisols, Wires & Cables.

## Delivery Forms

Bulk (Iso-tanks), Drums (200kg) and IBC.



Pevalen™ Pro is our next-generation non-phthalate plasticizer that improves the sustainability of flexible PVC. With Pevalen™ Pro we use renewable raw materials in the production process whilst still offering the same class-leading molecule. In short, it offers superior performance without costing the earth.

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## Sales Specification

| Characteristics | Unit     | Specification <sup>1</sup> | Analytical Method <sup>1</sup> |
|-----------------|----------|----------------------------|--------------------------------|
| Acid Value      | mg KOH/g | Max. 0.05                  | PO 110-9                       |
| Water Content   | %        | Max. 0.10                  | PO 109-2                       |
| Color           | APHA     | Max. 50                    | PO 105-4                       |
| Ester Content   | %        | Min. 99.0                  | PO 130-7                       |

1. Internal analytical methods are available on request

## General Characteristics

| Characteristics         | Unit              | Typical Value <sup>1</sup> | Comment       |
|-------------------------|-------------------|----------------------------|---------------|
| Clear colorless liquid  |                   |                            |               |
| Density at 20°C         | kg/m <sup>3</sup> | 1020                       |               |
| Viscosity at 20°C       | mPas              | 35                         |               |
| Boiling point           | °C                | 408                        |               |
| Pour point              | °C                | -69                        |               |
| Refractive index (nD20) |                   | 1.449                      | ASTM D1218-02 |

1. Typical values are for information only and not part of sales specification

## Pro-Environment Information

Renewable carbon content is 100% based on a traceable mass balance concept.

PCF\* Including Biogenic CO<sub>2</sub> Uptake: 0.8 kg CO<sub>2</sub>eq/kg product  
Biogenic CO<sub>2</sub> Uptake: 2.3 kg CO<sub>2</sub>/kg product

\*Cradle-to-Gate value

All PCF values are calculated based on ISCC, Together for Sustainability, and GHG protocol methodology. The PCF value stated above is updated on a yearly basis, actual values may differ over the year and are stated in the sustainability declaration document. This product is ISCC PLUS certified.

## Handling and Storage

Pevalen™ is hygroscopic and should be handled to prevent moisture absorption. Store in a dry and cool location, protected from direct sunlight, preferably below 30°C.

CAS No.: 15834-04-5

HS no: 2915 60

EC (EINECS) no.: 239-937-7

EU REACH registration No.: 01-2119493810-35-XXXX



Effective date: March 20, 2024

USERS ARE ADVISED TO MAKE THEIR OWN INDEPENDENT DETERMINATION OF THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE. EXCEPT FOR WHAT IS STATED IN PERSTORP'S GENERAL CONDITIONS OF SALE OR SEPARATELY IN A WRITTEN CONTRACT WITH PERSTORP, NO INFORMATION PROVIDED IN THIS DATA SHEET CONSTITUTES A WARRANTY (EXPRESS OR IMPLIED) BY PERSTORP, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.