



# Einar<sup>®</sup> functional agents:

A sustainable solution for masterbatches and polymer applications

# Einar<sup>®</sup>

## Imagine this: Polymer agents you can eat

Two trends dominate the polymer business today: Safety and sustainability.

Of course, consumers want polymer products such as food film, canisters, bottles and containers for their convenience and hygiene.

But they also worry about the environment and about harmful substances coming into contact with their food – and producers need to take such concerns seriously. The polymer industry needs sustainable alternatives to petrochemical-based products that do not compromise the quality and functionality of the end products.

### We have the answer: Einar<sup>®</sup> from Palsgaard

Palsgaard's Einar<sup>®</sup> series of functional agents for masterbatches and polymer applications are based on food-grade vegetable oils such as sunflower oil, rapeseed oil and RSPO-certified segregated palm oils.

With Einar<sup>®</sup>, you can market your packaging solutions and masterbatches with a sustainable profile while retaining the efficiency and attractive appearance of your products.

### Antistat, antifog and much more

Einar<sup>®</sup> covers applications such as antistats and antifogging agents for various types of polymers, including PP, PE, EPS and PVC. The Einar<sup>®</sup> products also offer solutions for colour pigment dispersion, slip, mould release and viscosity control.

Independent lab tests have proven conclusively that the performance of Einar<sup>®</sup> functional agents is equal to that of market-standard aids and additives.

For certain applications, Einar<sup>®</sup> products even outperform conventional additives and offer a completely new approach giving you improved performance, faster production runs and superior cost-in-use.

### Dedicated R&D and application lab

With production in Denmark, the Netherlands and Malaysia, Palsgaard covers most of the globe – and at our dedicated polymer application lab in Denmark our scientific staff and product specialists are always ready to assist you in developing and testing new polymer applications.



Einar<sup>®</sup>

Einar<sup>®</sup> dispersing aids



Einar<sup>®</sup>

Einar<sup>®</sup> antifogging agents



Einar<sup>®</sup>

Einar<sup>®</sup> antistatic agents





## Creating the future of polymer agents

Vegetable oils from palm fruits and sunflower or rapeseed are the source of a variety of highly useful lipids and acids, which can be transformed into safe, sustainable ingredients and functional polymer agents, given the right mind-set and the tenacity needed in long, deliberate research efforts.

We know this better than most here at Palsgaard – for more than a century we have explored the boundless possibilities of these naturally occurring oils in the development of emulsifiers and other functional ingredients for the global food industry. The same knowledge and open-minded approach to R&D are also the key drivers in our development of vegetable-based functional agents for the polymer industry.

## Einar® – a name with a legacy

Einar® was chosen as the brand name for our polymer agents as a tribute to Einar Viggo Schou, who founded Palsgaard in 1908. From the beginning, Einar Viggo Schou laid down a set of social and corporate values we continue to follow at Palsgaard today. In naming our polymer product range after him, we invoke his legacy of innovation, dedication and responsibility towards the world around us.

With the Einar® range, Palsgaard takes a decisive step in the polymer industry, where safe and sustainable functional agents are increasingly in demand.

## Aiming for global CO<sub>2</sub>-neutrality

All of Palsgaard's Danish operations were declared 100% CO<sub>2</sub>-neutral in 2015 – but the journey does not end there. In 2020, it is our express goal to reach zero carbon dioxide emissions at all our production facilities across the globe.

In fact, corporate social responsibility is a vital part of our strategic priorities and guides every single aspect of our operations: Financially, environmentally and socially.

In comporting ourselves in a responsible way, we can continue to be a reliable supplier for our customers and an attractive, safe and caring workplace for our employees.



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