

## ROQUETTE

### Foundation

- Family-owned French group founded in 1933
- International activity in conversion of renewable raw materials into starch and starch derivatives.
- One of the world leaders in starch industry

### Turnover

- 3.0 billion €
- Industrial, sales and agent locations in more than 100 countries.

### Employees

- About 6,800 employees worldwide

### Branches

- Products for 5 major applications fields: human nutrition, pharmacy-cosmetology, paper-board, chemistry-bioindustry and animal nutrition
- New solutions for the plastic industry (plant-based resins, plant-based plasticizers)

### Key materials

- Raw materials: maize, wheat, potatoes, peas and microalgae

### Key bio-based products

- GAÏALEASE® - plant-based resin
- Polyols (sorbitol, mannitol, maltitol and xylitol)
- Modified starches and proteins



*Offering the best of nature™*

### Company

ROQUETTE, a French family group with an international dimension, processes renewable raw materials: maize, wheat, potatoes, peas and microalgae.

Among the 5 global leaders in the starch manufacturing industry, it offers its customers a wide range of products and solutions in the fields of human nutrition, pharmacy-cosmetology, paper-board, chemistry-bioindustry and animal nutrition. Present in over 100 countries, ROQUETTE has a turnover of 3 billion euros.

The group employs around 6,800 people. Its development, focused on nutrition-health and plant-based chemistry, is based on a strategy giving preference to the long-term, innovation and the commitment to achieve. Its mission: «Serve men and women by offering the best of nature».

### Material

Based on 75 years of expertise in starch transformation and the synthesis of its derivatives, ROQUETTE has conceived for converters and compounders, GAÏALEASE®, a new range of plant-based resins.

GAÏALEASE® plant-based resins are thermoplastic products obtained by a patented hemi-synthesis process by grafting starch, giving them original properties.

 **Gaialene.** *Plant-based Resins by Roquette*

GAÏALEASE® resins are:

- Bio-based: over 50% plant-based materials,
- PERFORMANT: displaying specific characteristics such as a soft touch, high shock resistance, natural antistatic properties, high resistance to blush, easy colouring and compounding properties.





Link to Agrobiobase



Suppliers

- **SUSTAINABLE** and opening new solutions in plastics applications like packaging (bottles, film wrap, etc.), household appliances, automobile industry, interior design and more,
- **PROCESSABLE** on existing lines, but at a lower temperature than traditional plastics (about 170°C) inducing lower energy consumption,
- **COST/EFFECTIVE** plant-based alternatives to common polyolefins, ABS or more technical polymers, for **DURABLE** applications,
- **LOW CARBON FOOTPRINT**: CO<sub>2</sub> emission reduced by at least 65% compared to polyolefins
- and fully **RECYCLABLE**.



Moreover GAÏALENE® resins also fulfill heavy metals and REACH regulations and can be used for food packaging. They are free of genetically modified organisms.

Typical applications of GAÏALENE® resins grades are:

- blow film extrusion,
- injection moulding,
- extrusion blow moulding,
- and compounding,

#### R&D in Partnership with Customers

In its main Research and Development Center in Lestrem (France), ROQUETTE employs about 300 researchers and technicians and works alongside its customers in complete confidentiality to develop new expertises and formulate solutions that meet their specific requirements. This represents for them significant savings in terms of time and money, providing with GAÏALENE® resins a competitive edge in their markets where consumers are increasingly demanding and sensitive to sustainable development in their everyday environment.



#### Contact

##### ROQUETTE

62080 Lestrem

France

Phone: +33 (0) 3 21 63 36 00

[www.gaiylene.com](http://www.gaiylene.com)

[www.ROQUETTE.com](http://www.ROQUETTE.com)

#### Contact person



Jean Marc CORPART

[gaiylene@ROQUETTE.com](mailto:gaiylene@ROQUETTE.com)

