

The Prayon Group

Prayon is a world leader in the production of phosphoric acid and phosphates, as used in multiple food and technical applications.

Based in Engis, Belgium, the Prayon Group employs 1,400 people in some 20 companies located in more than 10 countries. We have three industrial sites in Europe and one in the United States. For our commercial operations, we have local offices in our key European markets (Benelux, France, Spain, United Kingdom, Italy and Germany) and one in the United States. We also have an extensive worldwide network of agents selling Prayon products.

Contact



PRAYON

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prayon

Price, Power, Performance:
with LiFeBPO_4 you can have it all



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Prayon manufactures lithium boron iron phosphate (LiFeBPO_4), an outstanding cathode material used in hybrid and electric vehicles batteries as well as stationary applications. The company markets this product under the **Pray-Lion™** trademark.



Main benefits of Pray-Lion™

- Intrinsically **safe** cathode material
- Exceptionally **long life**
- Higher **energy density** than rival offerings

Commercial grade	Competitors	praylion LiFeBPO_4
Capacity (mAh/g) at C Rate	80 to 140	> 140
Coating Density (g/cm ³)	1.8 - 2	> 2.2
Electrode Loading (mAh/cm ²)	2 - 2.5	> 3.5
Wh/kg (C Rate – 10 Ah)	60 - 120	140



A phosphate serving the battery industry

Pray-Lion™ is manufactured at Prayon's main production site in Engis, Belgium. As a world leader in the production of phosphates, Prayon offers:

- large-scale **production capacity**;
- a **high-speed, low-cost continuous process**;
- its **status as a preferred supplier** to the food processing industry, ensuring high quality, traceability, purity and performance.



Technology & intellectual property

Our lithium boron iron phosphate was initially developed by the French Atomic Energy and Alternative Energies Commission (CEA). In 2008, a technology transfer agreement was signed allowing us to fully exploit CEA's **patented technology**. Harnessing more than a century of industrial experience, we successfully scaled up and soon achieved performance levels that outstripped laboratory results.

Applications

Pray-Lion™ is ideal for plug-in hybrid and **electric vehicles**, including e-bikes. It is also the perfect solution for stationary applications, such as solar and wind **power storage systems**. Pray-Lion™ is currently being tested by most of the world's battery manufacturers and EV developers.