PLACARD

Cardanol based PVC plasticiser

Let’s try it

Partners:

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UNIVERSITÀ DEL SALENTO

EuPC EUROPEAN PLASTICS CONVERTERS

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A new bio-based plasticiser for soft PVC thanks to chemical modification of cardanol.

Cardanol is an industrial grade oil obtained by vacuum distillation of cashew nut shell liquid. It is a natural derived by-product of the food industry therefore does not contribute to the subtraction of resources to food chain.

The process (a combination of acetylation and epoxydation) has been scaled up to pilot scale.

Tests proved process safe, stable and able to control reaction adequately to produce selected quality with consistency.

Physical and mechanical properties comparable with phthalate based plasticizers

Dry blend results exhibits placards higher compatibility with PVC than other plasticiser, becauce already in the mixing stage, Tg below the room temperature is reached.

Interested to test?

As a plasticiser producer

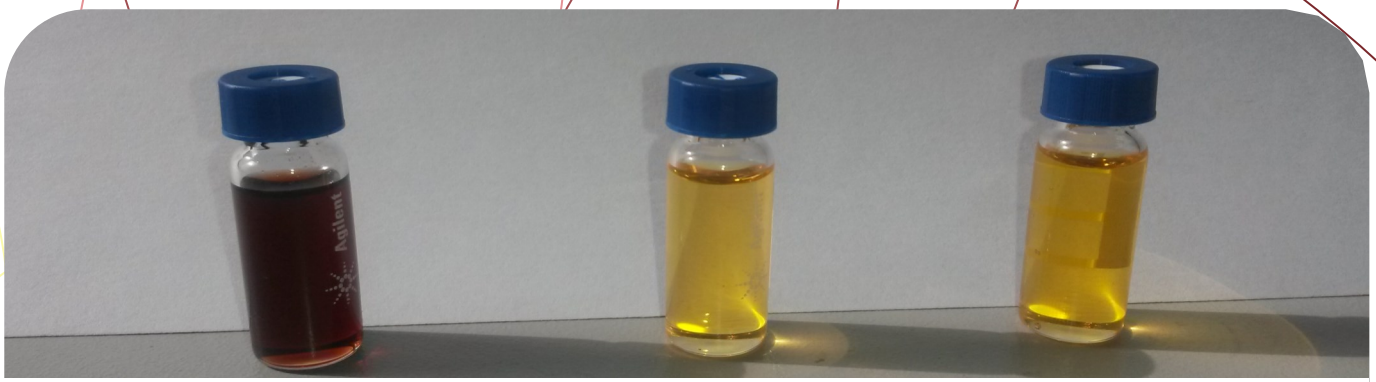
- whether possible to produce on industrial scale
- to enlarge portfolio with an environmentally friendly bio -based plasticiser

As a converter

- whether suitable for your application
- whether selected parameters are met
- to meet special customer needs

As a cardanol derivates manufacturer

- to enlarge portfolio



From left to right- Cardanol, Cardanol Acetate and Epoxidized cardanol acetate.

Contact us and we will provide you with samples.

Due to ongoing development process the confidentiality agreement shall be signed.

Interested to follow the process?

Be kept up to date with the project results

Get to know new bio-based plasticiser as early mover?

First mover advantage to acquire technology?

Contact us!

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