

# Glycerine tech

Growing your profits renewably



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Increase your profit margin and reduce your environmental impact in one go by replacing the expensive fully refined glycerine in your technical applications with our renewable, high quality and competitively priced Glycerine tech.

## Planting a seed & reaping the rewards

Made during the process that refines rapeseed oil into biodiesel, our one-of-a-kind Glycerine tech offers you a smarter alternative to the expensive fully refined glycerine that, until now, has been the only option for your technical applications. Our Glycerine tech has proven successful in yielding the same end-product quality in technical applications that do not absolutely require fully refined glycerine, such as the manufacture of cellulose films, enzymes, resins and alkyds.

## Your new cash crop

Our Glycerine tech lets you increase your profit margin at once. Since our product costs less than the fully refined grade your savings adds up quickly. How do we do it? Glycerine usually starts out in a crude form that contains high levels of water and other impurities. This crude glycerine must be refined before it can be used and refining costs time, money and resources. But thanks to our innovative production process we can bypass that costly step.

## A smarter solution, pure & simple

At our new state-of-the-art biodiesel plant in Sweden, we use a unique process to refine rapeseed oil into very pure RME (rapeseed methyl ester) biodiesel. The co-product of this process is a higher quality, unusually pure glycerine that requires no further refinement for use in a growing number technical applications. Our Glycerine tech is 98% pure and does not, for example, contain any salt, whereas crude glycerine does.

## More green for your money

Natural, renewable and biodegradable, our Glycerine tech represents a smart use of resources from soil to sale. It starts with the rapeseed plants. They consume carbon dioxide as they grow and offer a future proof alternative that reduces your dependence on costly fossil fuel-based glycerine. Our unique process then saves on refining energy and extra transports, further reducing your product's carbon footprint.

## Facts:

→ Our Glycerine tech is a renewable, eco-friendly and high quality product refined from rapeseed oil.

→ We produce our unique 98% pure product at our new state-of-the-art biodiesel plant in Sweden.

→ Our Glycerine tech does not contain any salt, whereas crude glycerine does.



### Try before you buy

Is 98% purity good enough for your technical application? Our Glycerine tech is available for sampling and we would be happy to support you in testing it in your specific application, be it as a fermentation medium for enzymes, in the manufacture of cellulose films, or the formulation of alkyds, resins, specialty polyols, polyurethanes or other specialty chemicals.

### A safe partner & secure supply

Unlike most glycerine suppliers, we can guarantee reliable supply and stable pricing for the long-term thanks to a major contract we have secured for producing RME biodiesel over the next decade. We are also committed to supporting you with our expert technical service and to pursuing new ideas that connect our original bio-based chemistry to the clean tech industry. Today we focus nearly 100% of our R&D efforts into developing smart solutions that are good for business and for the planet.

### Our Glycerine tech:

- ➔ is 98% pure and effectively replaces fully refined glycerine in technical applications
- ➔ increases profits directly since it costs less than fully refined grade
- ➔ greens your business since it is renewable and takes less energy to produce

### Want to know more?

For more detailed information about our Glycerine tech you are welcome to visit our website or contact us directly.

Site: [www.perstorpbioproducts.com](http://www.perstorpbioproducts.com)

Email: [bioproducts@perstorp.com](mailto:bioproducts@perstorp.com)

➔ Replacing fully refined glycerine with our Glycerine tech has proven to yield the same end-product quality in a growing number of technical applications.

➔ We launched our Glycerine tech in mid 2007 and its success has surpassed all our expectations.

➔ Roughly 50% of the glycerine produced in the world comes from the biodiesel industry.

➔ In our process, the refinement of rapeseed oil yields 10% glycerine and 90% RME biodiesel.



## Your winning formula

The Perstorp Group, a trusted world leader in specialty chemicals, places focused innovation at your fingertips. Our culture of performance builds on over 125 years of experience and represents a complete chain of solutions in organic chemistry, process technology and application development.

Matched to your business needs, our versatile intermediates enhance the quality, performance and profitability of your products and processes. Present in the aerospace, marine, coatings, chemicals, plastics, engineering and construction industries, they can also be found in automotive, agricultural, food, packaging, textile, paper and electronics applications.

Our chemistry is backed by reliable business practices and a global commitment to responsiveness and flexibility. Capacity and delivery security are ensured through strategic production plants in Asia, Europe and North and South America, as well as sales offices in all major markets. Likewise, we combine product and application assistance with the very best in technical support.

As we look to the future, we strive for the development of safer products and sustainable processes that reduce environmental impact. This principle of innovation and responsibility applies not only to our own business, but also to our work with yours. In fulfilling it, we partner with you to create a winning formula that benefits your business – as well as the people it serves.

Discover your winning formula at [www.perstorp.com](http://www.perstorp.com)