Alcoholates from BASF

High-quality catalysts for biodiesel production
Both bio-oils (virgin oil and used/waste cooking oil) and animal waste (e.g. tallow) can be used to manufacture biodiesel. While most of the fuels manufactured in Europe are based on canola oil, manufacturers in America and Asia tend to use soy or palm oil. A chemical reaction known as transesterification, involving methanol and using catalysts, is needed to convert these oils into fuel.

Oils and fat molecules are always structured in the same way and comprise triglycerides, a compound of glycerol and three fatty acid molecules. During transesterification, the triglycerides are converted into biodiesel. The by-product, glycerol, is used in the pharmaceutical and cosmetics industries.

Transesterification can only take place once catalysts are present. They allow the triglycerides to be split and biodiesel to be produced cost-effectively. These catalysts are two alcohol-ates, sodium and potassium methylate. They are used in methanol as fully formulated solutions.

The modern alternative fuel

Over the last few years, biodiesel has become a real alternative to conventional fuels – and with good reason. It is environmentally friendly, can be sourced from renewable materials, reduces the use of fossil fuels and is also economic and powerful.

BASF, the world’s leading chemical company, supplies high-quality catalysts which are tailored for use in the production of biodiesel.

From bio-oils/waste to biodiesel

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Biodiesel catalysts from BASF – the benefits for you at a glance

- high activity
- products suitable for direct use
- easy to handle
- free from water
- high biodiesel yields, low preparation costs
- excellent customer service
- tailored logistics solutions
- outstanding and dependable delivery service and consistently high BASF quality

Companies using BASF alcoholates stand to gain from very high service standards alongside high-quality products. We combine global and local know-how to find the perfect solution for every customer. Thanks to our global presence, we are able to assist our customers wherever they are based.

BASF produces sodium methyleate in Germany and Brazil.
Disclaimer

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