

ECOCUT FT- series

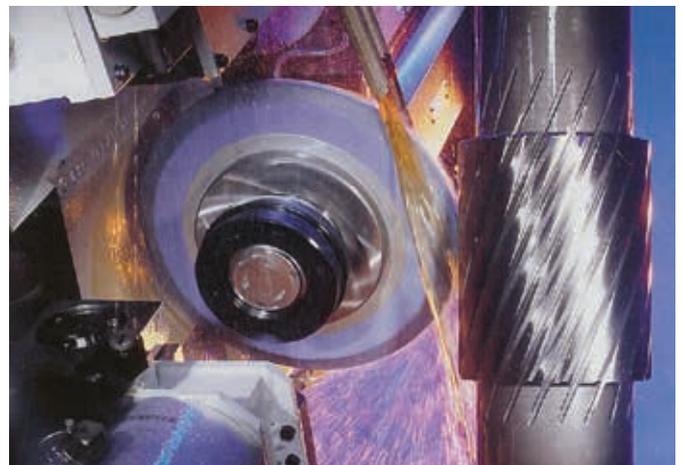


Non-water-miscible cooling lubricants based on innovative base oils

Used as operating materials, non-water-miscible cooling lubricants not only have a key influence on the process and quality of machined parts, but also make a major contribution to improving safety and working conditions in production halls.

The properties of the product used, such as its flash point, evaporation and foaming behavior, also play a part here. Both, the selection of the additives and the quality of the base oils used, have a major impact on these features.

Fuchs has many years of experience in formulating high-grade, non-water-miscible cooling lubricants that are based on refined Group III base oils. These products make a significant contribution to improving processes for our customers:

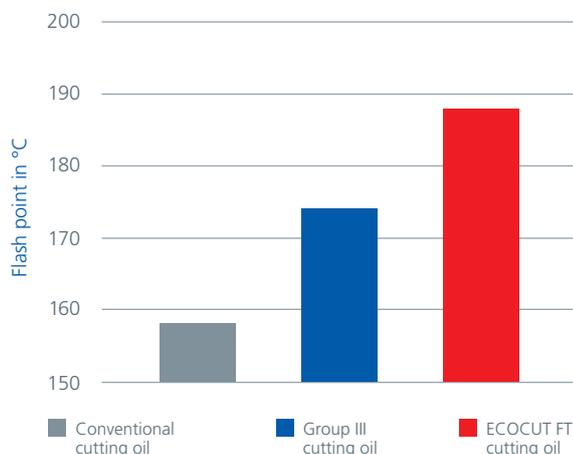


- **Increased productivity**
- **Reduced workplace pollution**
- **Improved occupational health and safety**
- **High efficiency**

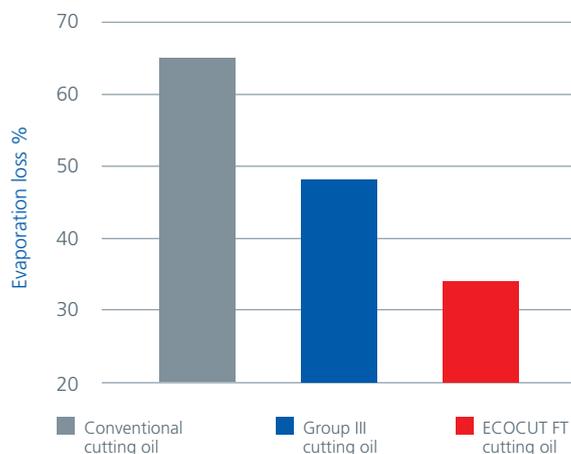
Using innovative base oils allows us to further improve and optimize our non-water-miscible cooling lubricants. ECOCUT FT stands for high-grade grinding and cutting oils. These are based on base oils which are produced using the GTL process (Fischer-Tropsch synthesis).

In the **Gas-To-Liquid** process, a syngas is generated from natural gas using oxygen and hydrogen. This syngas is subsequently converted to liquid hydrocarbons via Fischer-Tropsch synthesis. Further steps are then employed to produce fuels and base oils from this. We use these base oils in our ECOCUT FT series of cutting and grinding oils.

Typical values:
Flash point in °C
Viscosity at 10 mm²/s at 40°C



Typical values:
Evaporation loss % (GC-Noack)
Viscosity at 10 mm²/s at 40°C



Product	Viscosity mm ² /s at 40°C	Flash point	Evaporation loss (GC-Noack)	Main application
ECOCUT FT 10 HFN	10	191 °C	34%	Machining and grinding Steel, nonferrous metals, aluminum
ECOCUT FT 10 HES	10	196 °C	34%	Machining, alloy steels
ECOCUT FT 7 WSE	7	184 °C	53%	Tool grinding and light machining
ECOCUT FT 710 LE	11	188 °C	34%	Machining alloy and high-alloy steels
ECOCUT FT 13 LE	13	194 °C	18%	Gear grinding, high-performance grinding oil

ECOCUT FT product offer additional benefits:

- **High flash point** – improved fire and explosion protection
- **Low evaporation** – reduced consumption and costs, improved working conditions, increased safety in the event of a fire and better explosion protection
- **Better air release properties** – improved foaming behavior and cooling effect

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