



**BECHEM
INNOVATION.
THE NEXT
ONE.**

Born from expertise. Made for metal.

Cooling lubricant
BECHEM Avantin 524



The new standard. BECHEM Avantin 524.

Where metal meets metal, chips fly and heat is generated, BECHEM Avantin 524 shows its strength. The new universal high-performance cooling lubricant from the water-miscible BECHEM Avantin 500 series ensures optimal lubrication, controlled temperature curves, and reliable corrosion protection while also offering clean application and high cost-effectiveness.

Developed from years of research and in close collaboration with manufacturing professionals, the high-tech product BECHEM Avantin 524 covers a wide range of applications,

from grinding to heavy machining, from steel and cast iron to titanium, nickel-chromium superalloys, or composite materials.

This multi-talented product remains stable, efficient, and skin-friendly, even during the most demanding processes in the automotive, aviation, and general metalworking industries. Free from boron, formaldehyde-releasing compounds and other SVHC substances, BECHEM Avantin 524 impresses with its sustainability, resource conservation, and safety.

**BECHEM Avantin 524. The start of an innovative series.
A new way of thinking about cooling lubricants.**

Properties

- High lubricating performance
- High emulsion stability, and bio-stability
- Increased process stability through pH-stabilizing additive technology
- Excellent aluminum compatibility for sensitive alloys
- Excellent corrosion protection
- High cleaning power for clean machines and almost dry parts
- Low refill concentration for economical use
- No/low foaming tendency
- Good skin compatibility according to dermatological and allergological testing

Materials

- Aluminum, cast aluminum
- Cast iron
- Fiber composites
- Nickel-chromium superalloys
- Stainless steel, steel
- Titanium

Applications

- Automotive components
- Powertrain components
- Aluminum aerospace components
- Fiber composite aircraft components
- Engine components made of titanium and nickel-chromium superalloys
- General metalworking industry
- Toolmaking



Biostable



Versatile



For many materials



Good skin compatibility

» Leading-edge technology
that combines innovation
with ease of use.«



Water miscible coolants

BECHEM Avantin series



LUBRICATION SOLUTIONS FOR INDUSTRY

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