

Biocide-free coolants



NOVAMET 920 forms part of the latest generation of water-soluble metalworking fluids and delivers a demonstrably **improved sump life**, despite not containing any biocides. The product uses new types of surfactants to successfully prevent biofilms from forming, thus minimising consequential microbial contamination in the metalworking fluid. Machines and components are noticeably **cleaner** as a result.

Its exceptional run-off characteristics also **reduce consumption**, as the emulsion adheres less to components and chippings. This means less fluid is discharged from

the system. The product's excellent **wetting properties** also ensures **improved lubrication and cooling capacity** during chip removal.

NOVAMET 920's exceptional **stability** has been proven during different inoculation tests as per DBL 6570. Tests with the *Acremonium* species fungi and the *Pseudomonas putida* bacterium did not show any growth 25 weeks after inoculation. This means there is no need to use biocides as a preventive agent. NOVAMET 920's excellent **skin compatibility** has been demonstrated in BUS/TEWL tests.



Wettability after 60 sec. in comparison: NOVAMET 920 (right) and a conventional metalworking fluid (left) on austenitic stainless steel

Efficient
excellent run-off



Clean
high flushing performance



Safe
boron- and biocide-free



Biocide-free coolants



Biocides are used in water-soluble metalworking fluids to increase stability. However, such substances have an impact on the fluid's availability, environmental compatibility and tolerance in humans.

Oemeta's biocide-free products are future-proof thanks to complete elimination of biocides. The biocide-free metalworking fluids impress due to their exceptional tolerability

in humans and excellent compatibility with materials. Their high stability also ensures a long service life in stand-alone machines. The products meet all requirements specified in current statutory standards.

Approvals from a diverse range of well-known customers within the automotive and machine tool industries confirm the process safety of Oemeta's products.

Products

HYCUT ET 46 + ADDITIV CX

- Two-component high-performance product based on synthetic ester oils
- Recommended for machining stainless steel and aluminium
- Low consumption due to very good run-off characteristics
- Easy maintenance and long sump life due to tramp oil separation
- Very good material compatibility

NOVAMET 881

- Recommended for machining steel, grey cast iron, aluminium alloys and yellow metals (mixed production)
- Longer sump life due to its very high stability
- Very good foam characteristics with water hardness from 10° d
- High washing and flushing action ensures cleaner machines and work pieces
- Good corrosion protection

NOVAMET 920

- Recommended for machining steel, yellow-metals (mixed production) and especially for aluminium alloys
- Very good corrosion protection
- Excellent washing and flushing action ensures cleaner machines and work pieces
- Very good foaming characteristics
- Outstanding skin compatibility

UNIMET 280

- Recommended for machining steel and grey cast iron
- Good corrosion protection
- Excellent washing and flushing action ensures cleaner machines and work pieces
- Outstanding skin compatibility



Free of: Biocides | Boron | Formaldehyde | Isothiazolinones