

**PRODUCT INFORMATION**  
**WATER-MISCIBLE METAL WORKING FLUID**

## NOVAMET 931

is a boron-free high-performance product for demanding machining. The product is exceptionally suitable for a wide range of operations and materials and is characterized by its very high lubrication performance, as well as low consumption.

### BENEFITS

- Free from boron and biocide (e. g. formaldehyde)
- Broad application area (e.g., turning, drilling, milling, and grinding)
- Suitable for ferrous and non-ferrous metals
- Particularly recommended for aluminum alloys
- Compatible with all cutting fluid systems (stand-alone machines and central system)
- Outstanding flushing and wetting action, resulting in clean workpieces and machines
- Very good foaming characteristics
- Very good corrosion protection
- Outstanding skin compatibility

### DATA OF PRODUCT | WATER-MIXED

DETERMINATION	METHOD	UNIT	VALUE
pH-value 5.0%	DIN 51 369	---	9.3
Corrosion test	DIN 51 360/2	[w/w] - K0	4.0

### DATA OF PRODUCT | CONCENTRATE

DETERMINATION	METHOD	UNIT	VALUE
Density, 20°C	DIN 51 757	[kg/m <sup>3</sup> ]	979
Kin. viscosity, 40°C	DIN EN 16 896	[mm <sup>2</sup> /s]	56
Refractive index, n <sub>D</sub> <sup>20</sup>	DIN 51 423	---	1,451

### RECOMMENDED CONCENTRATION (DEPENDING ON APPLICATION AND CONDITIONS)

- Standard concentration at room temperature: 6.0 - 10.0%
- Product can be use in a higher concentration. Please contact your coolant partner for more information.
- See also "Technical information: New fill general".

### FACTORS (OTHER FACTORS ON REQUEST)

Refractometer 1.3%/°Bx  
Testkit 9,3%/ml

### SHELF LIFE | OPERATING AND STORAGE CONDITIONS

6 months under ambient storage conditions.

### INDUSTRIAL HEALTH, SAFETY AND ENVIRONMENTAL PROTECTION

For more details about health and safety please read the information on the safety data sheet.

### DISPOSAL

In compliance with the local waste regulations.