

PRODUCT INFORMATION
WATER-MISCIBLE METAL WORKING FLUID

UNIMET 229

is a bactericide-free high-performance cooling lubricant for a large variety of machining applications. The coolant is suitable for light to medium machining operations on ferrous and non-ferrous metals.

BENEFITS

- Free from bactericide (e.g., formaldehyde)
- Suitable for the machining of ferrous and non-ferrous materials
- Particularly suitable for the machining of steel materials
- Extremely high stability and long sump life
- Outstanding lubricating performance results in low tool wear and higher machine productivity
- Good washing and wetting characteristics ensure clean parts and machines
- Compatible with all cutting fluid systems (stand-alone machines and central system)
- Very good foaming characteristics
- Outstanding corrosion protection

DATA OF PRODUCT | WATER-MIXED

DETERMINATION	METHOD	UNIT	VALUE
pH-value 5.0%	DIN 51 369	---	9.6
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 ³]	998
Kin. viscosity, 40°C	DIN EN 16 896	[mm ² /s]	52
Refractive index, n _D ²⁰	DIN 51 423	---	1.438

RECOMMENDED CONCENTRATION (DEPENDING ON APPLICATION AND CONDITIONS)

- Standard concentration at room temperature: 4.0 - 8.0%
- 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 6.3%/ml

SHELF LIFE | OPERATING AND STORAGE CONDITIONS

12 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.