

## Germ-Allcard Wirol 5000

Excellent performance wire drawing lubricant for intermediate, fine and superfine wire

### Description

Wirol 5000 is an exceptional clean semi-synthetic wire drawing lubricant optimised for drawing plain and tinned copper of intermediate, fine and superfine wire sizes on single and multi-wire machines. Wirol 5000 significantly reduces tension breaks on multi-wire machines. Thanks to its low reactivity with copper, the fluid reduces copper sludge generation and offers exceptional cleanliness.

### Applications

Wirol 5000 is designed for drawing plain and tinned copper of intermediate, fine and superfine wire sizes on single and multi-line machines.

### User instructions

1. Use a system cleaner during the disposal of previous emulsions, to ensure maximum results. To obtain its unique biostability it is essential to remove copper soap deposits before applying Wirol 5000.
2. This fluid is biostable when used at the recommended concentration levels as mentioned in the table below.
3. Wirol 5000 is suitable for all water types. However, for maximum performance we recommend the use of soft or de-ionised water.
4. In order to preserve the integrity of this product, drums should be stored inside a building protected from frost and direct sunlight.
5. Avoid exposure to extreme temperatures and the ingress of moisture. Wirol 5000 must have a temperature above 5°C before emulsion make-up.
6. The correct mixing procedure is to add Wirol 5000 concentrate to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.

	Entry diameter (mm)	Recommended concentration
Intermediate		
Fine		
Super fine		

Note: In some circumstances, it is beneficial to exceed the recommendations shown above.

### Environment, Health and Safety

Please consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues. Germ-Allcard Wirol 5000 is boron and formaldehyde free. It is compliant with the TRGS 611 specification. This ensures environmental safety & operator health.

### Properties

	Method	Unit	Typical
Appearance (Neat)	Visual	-	amber dark oil
Appearance (Emulsion)	Visual	-	semi translucent
Density, 20 °C	D 4052	g/ml	0.94
pH 5% in DI water	E 70	-	9.9
Refractometer Factor	-	-	0.9
Acid Split Factor	Babcock	-	1.11

The figures above are not a specification. They are typical figures obtained within production tolerances.

### Remarks

Please contact your Q8Oils representative for further advice and support on your specific application and equipment.