

Germ-Allcard Priamus V12

Excellent performance multi-purpose wire drawing lubricant

Description

Priamus V12 is an excellent and cost-effective versatile wire drawing fluid for the rod breakdown to fine wire of bare copper. This biostable, semi-synthetic fluid provides an exceptional long emulsion life and the resistance to tramp oil leaks ensures cost-effective operations. Priamus V12 utilises the latest synthetic ester technology to give excellent cleanliness and low reactivity.

Applications

Copper: Priamus V12 is suitable for drawing all wire sizes from rod to fine wire on all types of drawing 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 Priamus V12.
2. This fluid is biostable when used at the recommended concentration levels as mentioned in the table below.
3. Priamus V12 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. Priamus V12 must have a temperature above 5°C before emulsion make-up.
6. The correct mixing procedure is to add Priamus V12 concentrate to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.

	Entry diameter (mm)	Recommended concentration (%)
Rod breakdown	8.0	8 - 12
Heavy intermediate	4.5	6 - 10
Intermediate	3.5	6 - 7
Medium fine	2.0	4 - 5
Fine & super fine	0.4	2 - 3

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 Priamus V12 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	-	dark amber oil
Appearance (Emulsion)	Visual	-	semi translucent
Density, 20 °C	D 4052	g/ml	0.94
pH 5% in DI water	E 70	-	9.1
Refractometer Factor	-	-	0.9
Acid Split Factor	Babcock	-	1.07

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.