

Germ-Allcard Priamus S21

Exceptional performance multi-purpose wire drawing lubricant for non ferrous metals.

Description

Germ-Allcard Priamus S21 is a multi-purpose lubricant for non ferrous metals wire drawing in all sizes from rod to fine on slip and non-slip machines. Utilizing the latest synthetic base oil and additive technology, it provides exceptional lubrication performance, superior drawing machine productivity and excellent biostability. The emulsion has a high detergency to keep machines and drawing dies clean. Germ-Allcard Priamus S21 is suitable for make up in both soft and hard water. Oxidation test results confirm a clean long life.

Applications

Germ-Allcard Priamus S21 is suitable for drawing all wire sizes from rod to fine wire on all types of drawing machines. It is also suitable for both multi-wire and in-line drawing machines. Germ-Allcard Priamus S21 emulsions may also be used in continuous annealers @ 1-2% concentration.

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 S21.
2. This fluid is biostable when used at the recommended concentration levels as mentioned in the table below.
3. Priamus S21 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 S21 must have a temperature above 5°C before emulsion make-up.
6. The correct mixing procedure is to add Priamus S21 concentrate to water and stir. For this operation we recommend positive displacement (Dosatron type) mixing units.

	Entry diameter (mm)	Recommended concentration
Rod	6.0 – 14.0	10-12 %
Intermediate	3.0 – 6.0	6-8 %
Medium	2.0 – 3.0	4-6 %
Fine/Super fine	1.0 – 2.0	2-4 %

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 S21 is free from boron, amines, phenol derivatives and formaldehyde. It is compliant with the TRGS 611 specification. This ensures environmental safety & operator health.

Properties

	Method	Unit	Typical
Appearance (Neat)	Visual	-	clear amber fluid
Appearance (Emulsion)	Visual	-	milky
Density, 20 °C	D 4052	g/ml	0.90
pH 5% in DI water	E 70	-	8.7
pH@5% in 400 ppm CaCO3 water	E 70	-	7.7
Refractometer Factor	-	-	1.0
Acid Split Factor	Babcock	-	1.03

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.