



Wirol 2020

Copper Wire Drawing Lubricant for Intermediate, Fine and Super Fine Applications

Product Description

Wirol 2020 is a fully synthetic water soluble drawing lubricant which uses the latest organic and inorganic corrosion inhibitors to provide a synergistic effect for the protection for ferrous and non-ferrous metal. It provides high levels of cleanliness unachievable with similar products, whilst lubrication is provided by utilising high molecular weight polymers supplemented by synthetic soaps.

Wirol 2020 uses the latest technology which utilises inverse solubility to provide extreme pressure characteristics, that together with its superior cleanliness is capable of achieving *significant* increases in die life.

Application

Wirol 2020 is recommended for drawing of intermediate, fine and super fine wire sizes of plain and tinned copper in all applications, single and multiwire. Wirol 2020 is especially recommended for the tandem in-line drawing or rolling for enamelling. Further specialised applications include the drawing of Nickel plated and Silver plated copper wires as well as the drawing of precious metals. Wirol 2020 is suitable for operating temperatures from ambient to 50°C.

Wirol 2020 has proved to be the first choice lubricant for drawing applications of final diameters less than 20 microns.

Benefits

- Elimination of wire breaks on start up
- Improved ability to settle fines
- Cleaner machines
- Extremely low ash
- Suitable for use in all water qualities

Recommended Concentrations

Intermediate 4-8% (3.5mm entry)
Fine/Super fine 2-4% (0.4mm entry)

Note: In some circumstances it may be beneficial to exceed the recommendations shown above. Concentrate should not be exposed to temperatures above 35°C.

Product Characteristics

| | |
|------------------------|------------------------------|
| Appearance Concentrate | Clear blue fluid |
| Specific Gravity | 1.0837 |
| Appearance Solution | Clear blue solution |
| Density at 15°C | 1.10 |
| Solution pH @ 5% | 8.5 |
| Conductivity @ 5% | 1470 µMHO/cm |
| Ash content | <0.35% (in concentrate form) |
| Refractometer Factor | Reading x 2.0 = % WIROL 2020 |

Availability

Contact Sales Desk for product availability.

Health and Safety

Normally safe in use. Before using this product reference should be made to the relevant Material Safety Data Sheet.

Further Information

For further information and technical help on selecting and using this or any other products, please contact your Representative, or telephone the Technical Help Line on +44 (0) 113 2365 223 (normal working hours) or by fax on +44 (0) 870 238 4673 (outside working hours).

Oct04

Germ-Allcard Specialised Lubricants

Knowsthorpe Gate, Leeds LS9 0NP

Telephone ++0044 (0)113 2365 227

Fax ++0044 (0)113 235 0705

A division of Kuwait Petroleum International Lubricants (UK) Ltd

