

PRODUCT DATA



www.RichardsApex.com

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TCS-90 COMPOUND

RichardsApex TCS-90 CPD is a synthetic lubricant formulated for the wet drawing of fine ferrous and metallic coated wire. The synthetic emulsion formed exhibits the stability and cleanliness required for drawing chemically coated or hard drawn wire with a residual dry lubricant.

BENEFITS:

- **Produces an exceptionally clean finish surface required for plating or glue compatibility**
 - **Maintains clean machines and systems**
 - **Resistant to dry lubricant contamination**
 - **Easily filterable**
 - **Recommended for use in both spray and submerged capstan equipment**
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RECOMMENDED USES:

High and low carbon wire
Copper coated welding wire
Hot dip and electro-galvanized
Bare and precoated bright wire

Depending on the severity of the drawing process, a concentration of 10% to 15% by volume in water is required.

TYPICAL SPECIFICATIONS:

Specific Gravity - 1.03 kg/l (8.6 lbs/gallon)
Active Lubricant Content - 29%
pH of a 3% solution - 8.5



Refractive Index Chart

TCS-90

<u>% by Volume</u>	<u>Refractive Index</u>
2	0.70
4	1.20
6	1.75
8	2.25
10	2.80
12	3.40
14	3.80
16	4.40
18	4.90

Refractive index accuracy can be influenced by water quality, contaminants, age of solution and temperature. In order to ensure proper concentration readings, the solution must be checked at ambient temperature. This is a fast test method and a more accurate reading may be achieved by a Babcock split.
