

PRODUCT DATA



www.RichardsApex.com

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QA-11HI COMPOUND

RichardsApex QA-11HI CPD is a synthetic compound recommended for use as a quench additive in the continuous annealing of copper. The product contains a unique blend of corrosion inhibitors, wetting agents and lubricity additives that is tolerant of hard water conditions, produces a highly stable emulsion and affords the user long tank life with low foam.

BENEFITS:

- **Stable and low foaming while offering long tank life**
 - **Prevents water spotting and copper surface corrosion**
 - **Easily mixed in room temperature water**
 - **Tolerant of hard water or water of less than ideal quality**
 - **Assists in preventing pressure welding of spooled wire**
 - **Leaves a clean finish - Ideal for clear jacketing applications**
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RECOMMENDED USES:

For use in copper wire drawing machines equipped with continuous annealing equipment. **QA-11HI** is recommended for use at a concentration of 3 to 5% by volume.

TYPICAL SPECIFICATIONS:

Specific Gravity - 1.05 kg/l (8.74 lbs/gal)

Active Content - 50%

pH of a 3% solution - 9.5



Refractive Index Chart
QA-11HI

% By Volume	Degree Brix
2.0	0.8
2.5	1.1
3.0	1.4
3.5	1.6
4.0	1.8
4.5	2.1
5.0	2.6
6.0	2.8

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.