



Art.No. 11915-03

Synergy 915

Description

Synergy 915 is a synthetic, water-miscible, chlorine, mineral oil and ester oil free metalworking fluid which can be used in soft water, preferential deionized and demineralized water.

Range of application

Synergy 915 is a synthetic high performance metalworking fluid. It is applicable for low to heavy duty machining and grinding of cast iron, steel alloys and other hard materials. It is also applicable for machining ceramics and composites (CFK).

It is not applicable for machining of aluminium.

Product properties

High cutting performance →

Very good foaming behaviour →

Outstanding rinsing behaviour →

Easy miscibility with water →

Benefits

Stable processes with high removal rate

ideal for modern machines with high pressure conditions and highest cutting speeds (high rpm)

no oily residues
very low consumption (nearly dry chips)

Easy handling - even without mixing device

Physical-chemical data

Concentrate

Colour	Yellow
Mineral oil content	0 %
Density at 20°C	1.06 g/cm ³
Viscosity at 40°C	17 mm ² /s
Flash point	> 120°C
pH value (fresh emulsion)	
pH value (used emulsion)	
Refractometer factor	

Solution

transparent

9.2 – 9.4

8.9 – 9.4

1.7

Note

The product does not contain*:

Mineral oil, chlorine**, heavy metals, boron, secondary amines, silicone, bactericide, Isothiazolinone, Formaldehyde, nitrosamines, glycol ether.

*The substances listed here are not part of the formula, but trace amounts of these substances may be present.

**Without active addition of chlorinated EP additives.

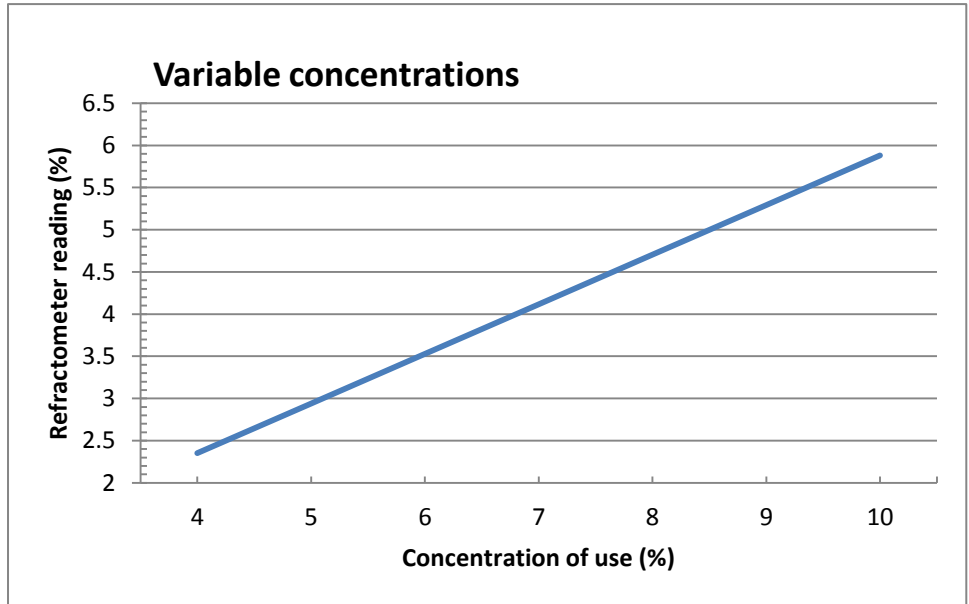
Synthetic coolants tend to more residues when mixed with hard water than with soft water.

Concentration of use

Variable concentrations: 4 - 10% (refractometer reading: 2.3 – 5.8)

Best results machining operations: 7 – 10% (refractometer reading: 4.1 – 5.8)

Best results grinding operations: 4 – 8% (refractometer reading: 2.3 – 4.7)



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V3 // 10.08.2015