

Art.No. 11905-04

Synergy 905

Description

Synergy 905 is a synthetic, water miscible, chlorine and mineral oil free cutting fluid which can best be used in soft water and ideally in de-ionized or de-mineralized water.

Range of application

Synergy 905 is a synthetic high performance cutting fluid. It is applicable for low to heavy duty machining of cast iron and steel alloys.

It is not applicable for machining on aluminium.

Product properties

| | |
|---------------------------------------------------|---|
| Good cutting performance | → |
| Very low foaming behaviour in hard and soft water | → |
| Outstanding rinsing behaviour | → |
| Easy miscibility with water | → |

Benefits

| |
|----------------------------------------------------------------------------------------|
| Applicable for cutting of hard materials |
| ideal for modern machines with high pressure conditions and highest cutting speeds rpm |
| no oily residues |
| very low consumption (nearly dry blades) |
| Easy handling - even without mixing device |

Physical-chemical data

| | Concentrate | Solution |
|----------------------|------------------------|-------------|
| Colour | Yellow | transparent |
| Mineral oil content | 0 % | |
| Density at 20°C | 1.06 g/cm ³ | |
| Viscosity at 40°C | 5.9 mm ² /s | |
| Flash point | 144°C | |
| pH value | | 8.8 – 9.8 |
| Refractometer factor | | 2.3 |

Note

The product does not contain*:

Mineral oil, Chlorine**, Hard Metal, Boron, Silicone, Bactericide, Isothiazolinone, Formaldehyde, Nitrosamine, 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.

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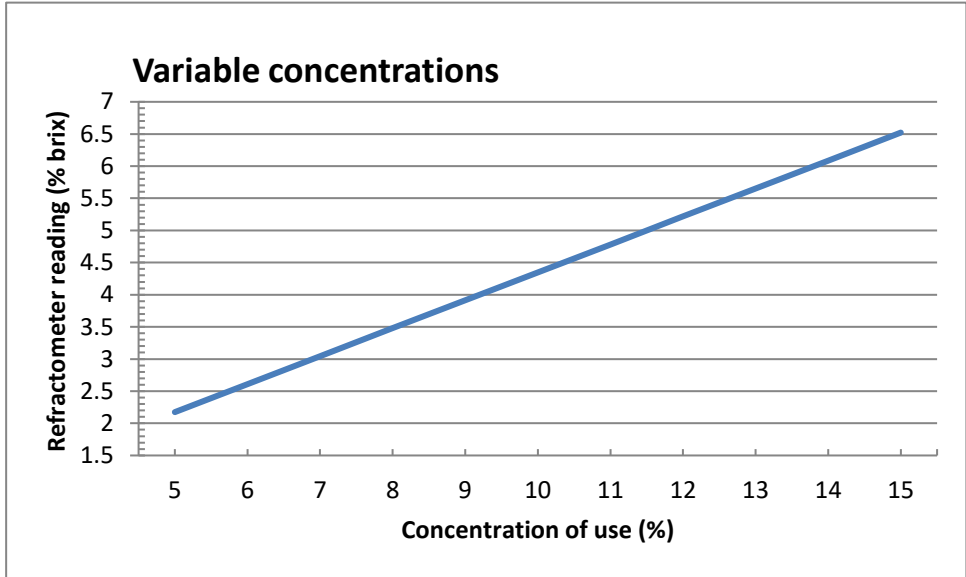
Concentration of use

| | |
|-------------------------|--------------------------------------------|
| Variable concentrations | 5 - 15% (refractometer reading: 2.2 – 6.8) |
| Best results machining: | 7 - 10% (refractometer reading: 3.2 – 4.5) |
| Best results grinding: | 7 - 10% (refractometer reading: 3.2 – 4.5) |

>> Do not use calcium as anti-foam with Synergy 905.

Notice for the first filling:

Synergy 905 is a wash active product and also dissolves old dirt and impurities in the coolant system. To minimize the delayed drag-out of these residues, we recommend cleaning the coolant system especially thoroughly before the first filling.



Information contained in this data sheet is based upon the properties and applications of use as known to us. However, generally no legal liability may be deducted from such information.
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