

AVISTA CUT 46

AVISTA CUT 46 is a sustainable and resource-saving metalworking oil and the best choice for a sustainable future. Due to the almost waste-free base oil manufacturing process, which contains the patented ESR-technology and re-uses natural resources, this product helps to protect the environment, health, natural resources and the climate in the long term. The base oil that is used in the corresponding proportion demonstrably saves up to 1.530 kg/t CO₂ eq compared to conventionally manufactured products. This product is AVleCO₂ qualified.

AVISTA CUT 46 is a universally applicable cutting oil for the processing of unalloyed and alloyed steels, with light to medium heavy duty. The product can also be used to process non-ferrous metals.

CHARACTERISTICS / APPLICATION BENEFITS

- universally applicable
- ideal for multi-spindle lathes

APPLICATIONS

| alloyed steel | unalloyed steel | aluminium | yellow metals |
|---------------|-----------------|-----------|---------------|
| •• | •• | - | • |

•• = outstandingly suitable, • = very suitable, • = suitable, - = unsuitable

INGREDIENTS

| Ester | S (active) | S (inactive) | P |
|-------|------------|--------------|---|
| - | - | • | - |

•• = high dosage, • = normal dosage, - = not included

TYPICAL CHARACTERISTICS

(The given data are typical data.)

| Parameter | Method | Unit | |
|-------------------------|------------------|--------------------|-------|
| Density 15 °C | DIN EN ISO 12185 | g/cm ³ | 0,865 |
| Kin. Viscosity @ 40 °C | DIN 51562-1 | mm ² /s | 45,6 |
| Kin. Viscosity @ 100 °C | DIN 51562-1 | mm ² /s | 7,25 |
| Viscosity Index | DIN ISO 2909 | | 120 |
| Flash point COC | DIN ISO 2592 | °C | 230 |
| Copper corrosion | ASTM D 130 | | 1b |
| CO ₂ eq* | DIN ISO 14040/44 | kg/kg | 0,178 |

* This value refers only to the base oil content KERNSOLVAT® in the product.

We reserve the right to change the general characteristics of our product so that our customers can benefit from the latest technological advances.