# SRS Wiolan TH

## Slide Way Oils

January 2020

### Characteristics

**SRS Wiolan TH** slide way oils provide a low coefficient of friction associated with a constant sliding performance without stick slip even at fine feed with lowest feed motions. Highest dimensional accuracy is the effect. Good demulsibility gives highest functionality also at use of low-maintenance cooling lubricants. During long downtime the most-feared formation of sticky deposits from the reaction of cooling lubricants and slide way oils is prevented.
SRS Wiolan TH slide way oils offer high corrosion protection. Fretting corrosion is avoided even in narrow fit clearances. Yellow metals are not attacked.

Highest film strength and excellent tackiness are guaranteed - an essential prerequisite for the lubrication of vertical slide ways. Additivation is well-tuned with modern water-soluble cooling lubricants to enable best surface quality and dimensional accuracy of the work pieces even at the most difficult production conditions.

### Applications

**SRS Wiolan TH** oils are designed mostly to lubricate slide ways of different material combinations in machine tools including plastic coatings like epoxy resins and Teflon, and for machine tool slide ways where contamination with water-soluble cooling lubricants are unavoidable.
SRS Wiolan TH oils have also given outstanding performance in the textile, paper and packaging industries.

### Performance / Specifications

The requirements for CGLP lubricants are fulfilled and surpassed in essential points.
Examinations of **SRS Wiolan TH** oils, carried out by SKC Gleittechnik GmbH, Rödental, passed off with excellent results.

SRS Wiolan TH slide way oils meet the requirements of ISO 6743 part 13 GA and GB.

SRS Wiolan TH slide way oils are products of the H&R ChemPharm GmbH.

| Typical Data | | Test Method | SRS Wiolan | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | TH 32 | TH 46 | TH 68 | TH 100 | TH 150 | TH 220 |
| Designation | | DIN 51 502 | CGLP 32 | CGLP 46 | CGLP 68 | CGLP 100 | CGLP 150 | CGLP 220 |
| Density at 15°C | g/cm³ | DIN 51 757 | 0.874 | 0.878 | 0.880 | 0.884 | 0.887 | 0.894 |
| Kin. Viscosity at 40°C | mm²/s | DIN EN ISO 3104 | 32.1 | 45.8 | 67.1 | 102 | 147 | 214 |
| Kin. Viscosity at 100°C | mm²/s | DIN EN ISO 3104 | 5.3 | 6.7 | 8.5 | 11.1 | 14.2 | 17.9 |
| Flash Point COC | °C | DIN ISO 2592 | 216 | 238 | 245 | 264 | 263 | 270 |
| Pour Point | °C | DIN ISO 3016 | -24 | -12 | -27 | -9 | -21 | -15 |
| Copper Corrosion Test (3h/100°C) | Grade | DIN ISO 2160 | 1 | 1 | 1 | 1 | 1 | 1 |
| Steel Corrosion | Grade | DIN 51 585 | 0 - B | 0 - B | 0 - B | 0 - B | 0 - B | 0 - B |
| FZG A/8,3/90 | SKS | DIN ISO 14 635 | 12 | 12 | 12 | 12 | 12 | 12 |

The above values may vary within the commercial limits.

**Made in Germany**

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