



TERRASOL 100 SWA



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TERRASOL 100 SWA is a rapidly biodegradable special oil which was developed for the railway industry, especially for the lubrication in the area of switches.

TERRASOL 100 SWA contains additives and solid lubricants which prevent oxidation, reduce wear and grant at the same time very good lubricating properties and adhesive capacities.

The nearly dry lubrication that is formed, guarantees a very small bonding of dirt and therefore the highest possible maintenance intervals.

Special properties

- Easily biodegradable
- Excellent wear protection
- High oxidation resistance
- Good corrosion protection
- Very good adhesive properties

Product Characteristics	Value	Dimension	Norm / Standard
Colour	greyish black		
Density at 20°C	0,92	g/cm ³	DIN 51757
Operating temperature range	-20 to 140	°C	
Oil type	ester		
Kinematic viscosity at 40°C	105	mm ² /s	DIN EN ISO 3104
Kinematic viscosity at 100°C	16,6	mm ² /s	DIN EN ISO 3104
Viscosity index (VI)	174		DIN ISO 2909
Pour point	< -30	°C	DIN ISO 3016
Flash point	> 300	°C	DIN EN ISO 2592

Application

Developed for all kinds of switches in the area of rail-guided vehicles.

Switches of main-line tracks, Metro railways and trams can be successfully lubricated with this product over a long period in the areas of sliding plates as well as in locking devices and sliding rods. Here mechanical clean-up is not required.

For the **TERRASOL-series** a **special, mobile applicator** was developed, that is able to apply safely and easily the different oils respectively oil combinations with solid lubricants.

If required the applicator can be presented and provided.

Lubrication Intervals

Compared with the conventional lubricating oils the re-lubrication intervals can be extended several times. When using the product as an alternative to lubricating grease, the relubrication intervals are nearly the same, but the cleaning intervals are smaller by a multiple.

Packaging units

6 x 5 l canister, 20 l canister, 60 l drum, 200 l drum