



Synthetic high performance adhesive lubricant

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RIVOLTA S.K.D 2000 is a high performance adhesive lubricant of the fourth generation. The combination of high quality synthetic base oils with a brand-new additive technology will give a performance spectrum to our S.K.D.-lubricants which is superior to conventional oils.

Especially in the area of mixed friction S.K.D.-lubricants reduce the consumption of energy, raise the operating safety and extend the life-time of machines and facilities.

The property

- **minimal wear and friction**
- **aging- and oxidation-resistance**
- **operative temperature range from -25°C up to +250°C**
high viscosity index
- **excellent adhesive properties**
- **no classification necessary according to the German hazardous substances ordinance**
- **biodegradable**

will give the following benefits

- raised economy by reduced consumption of energy, extended life-time of machines and facilities
- long-term use of the lubricant, extended service intervals, reduced maintenance, reduced labour costs
- qualified for use in a wide temperature range, optimal at low and very high temperatures as well as changing operative temperatures with constant good lubrication properties
- no throw off of the lubricant at high speeds, no or very little pollution of the environment
- S.K.D. 2000 stands for a maximum of personal protection. The appropriate use of S.K.D. 2000 does not create any risks for the workers' health. S.K.D. 2000 can also be used in the food industry according to German regulations.
- S.K.D 2000 is environmentally friendly and has the advantage of biodegradability and non-toxicity. This is especially important in those cases where the lubricant can get into the environment

RIVOLTA S.K.D.-lubricants
progressive in technology and safe for health and environment



Synthetic high performance adhesive lubricant

high temperature stable, synthetic oils (ester), biodegradable with anti-wear, anti-ageing and anti-corrosion additives Colour: transparent, rufous			
Technical data	Unit of measurement	Norm	S.K.D. 2000
Density	g/ml	DIN 51757	0.940
Viscosity at 20°C	mm ² /s	DIN 51562	18000
Viscosity at 40°C	mm ² /s	DIN 51562	4000
Viscosity at 100°C	mm ² /s	DIN 51562	225
Viscosity index	-	DIN ISO 2909	>150
Flash point	°C	DIN EN ISO 2592	210
Pour point	°C	DIN ISO 3016	-26
Operative temperature range	°C	-	-25/+250
Evaporation loss 1h/250°C	% by weight	DIN 51581 part1	7.5
S.R.V.-Test*		DIN 51834 part2	
Friction coefficient μ_{min}	-		0.045
Wear rate ball	mm		0.50
Wear rate disc	μ m		<2.00

* Swing friction wear tester, T = 150°C, F = 200 N, 1,000,000 load changes (5.5 hours)

Compatibility:

RIVOLTA S.K.D 2000 is not aggressive to common metals and paints. It is compatible with seals resistant to mineral oil. The product is miscible and compatible with mineral oil.

Preparing of the lubrication

point:

Remove contaminations and residues as far as possible. If necessary use RIVOLTA S.K.D. 16 for cleaning. The friction points should be dry to get the full adhesive property of our product.

Applications

chain lubrication: as system lubricant for outside lubrication in combination with RIVOLTA S.K.D. 16 as inside bearing lubricant at lifting and conveyor chains

timing, driving and transfer chains: in production, racking, packaging, storing, no throw off at fast running chains (motor-cycles)

ropes: as system lubricant (outside lubrication) for ropes in combination with RIVOLTA S.K.D. 16 (inside lubrication)

levers, joints, check rails: highly loaded items at high temperatures: e.g. ejectors and check rails at injection moulding machines

spindles: lubricant which will not be thrown off at machine tool spindles

rollers: rollers at rope and chain drives, shopping cars, hospital beds, ball bearings in circular conveyors

Processing

- **spray can:** place the spray can or the oil can directly to the friction points
- **in bulk ware:**
 - **spraying:** spray the friction points uniformly with your spray equipment (e.g. B&L-Fine Coat-System)
 - **brushing:** brush the heated product (min. 50°C) thinly on your friction points
 - **plunging:** items shall be dipped in heated oil baths and subsequently dropped off.

⇒ You can get more information about the use by contacting our department of technical support.

This text contains facts and statements and is determined with our best knowledge and will be checked continuously. These statements are depending - among other reasons - on experiences gained in the industry. We only pass them on without liability. Before using our products you should test the applicability and you should convince yourself about the satisfactory performance. Our application examples and suggestions should not request to violate patent rights.