



Synthetic high performance adhesive lubricant

SHANGHAI PING YIAO TRADING CO.,LTD.
Tel: 86-21-64705533
Fax: 86-21-64820538
24H: 86-15900706965
Website: www.pingyiao.com
E-mail: info@pingyiao.com

RIVOLTA S.K.D 3000 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 -15°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 and 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 surrounding temperatures with constant good lubrication properties
- lubrication film is resistant against extreme atmosphere influences and will not be washed off by water; optimal lubrication and protection film at components at extreme weather conditions or in direct contact with water
- S.K.D. 3000 stands for a maximum of personal protection. The appropriate use of S.K.D. 3000 does not create any risks for the workers' health. S.K.D. 3000 can also be used in the food industry according to German regulations.
- S.K.D 3000 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. 3000
Density	g/ml	DIN 51757	0.930
Viscosity at 20°C	mm ² /s	DIN 51562	160000
Viscosity at 40°C	mm ² /s	DIN 51562	30000
Viscosity at 100°C	mm ² /s	DIN 51562	1350
Viscosity index	-	DIN ISO 2909	>150
Flash point	°C	DIN EN ISO 2592	220
Pour point	°C	DIN ISO 3016	-18
Operative temperature range	°C	-	-15/+250
Evaporation loss 1h/250°C	% by weight	DIN 51581 part1	10.5
S.R.V.-Test*		DIN 51834 part2	
Friction coefficient μ_{min}	-		0.045
μ_{max}	-		0.060
Wear rate ball	mm		0.50
disc	μm		<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 3000 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. Residues of moisture can be removed with RIVOLTA S.K.D. 16.

Applications in general: heavily loaded friction points exposed to strong influences of weather, moisture, damp or water

chains and ropes: as system lubricant for outside lubrication in combination with RIVOLTA S.K.D. 16 as inside bearing lubricant at all chains and ropes at extreme atmosphere influences

chains in contact with water: outside lubricant for chains and other lubricated items in direct contact with water, e.g. chains at sluices, chains at trash removal facilities, transfer chains in wet areas

Processing

- **spray can:** place the spray can or the oil can directly to the friction points
- **in bulk ware:**
 - **spraying:** dilute the product and spray the friction points homogeneously with your spray equipment (e.g. Airless equipment B&L 414W/405W), if necessary remove the solvent by blowing with air
 - **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 with special equipment 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.