



## **Synthetic high performance inside bearing lubricant**

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RIVOLTA S.K.D. 16 is a high performance inside bearing 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.

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### **The property**

#### **• minimal wear and friction**

#### **• aging- and oxidation- resistance**

#### **• operative temperature range from -50°C up to + 50°C from -35°C up to +250°C after evaporation of the solvent**

#### **• excellent creep 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 temperatures in refrigerating tunnels, for inside bearing lubrication at low and high temperatures as well as extreme alternating ambiente temperatures**

#### **• penetrates coatings, dewateres, releases rust and pollution and cleans parts, penetrates tight tolerances very well and guarantees a very portative inside bearing lubricating film**

#### **• S.K.D. 16 stands for a maximum of personal protection. The appropriate use of S.K.D. 16 does not create any risks for the workers' health. S.K.D. 16 can also be used in the food industry according to German regulations**

#### **• S.K.D. 16 is environmentally safe and has the advantage of biodegradability and non-toxicity. This is especially important in those cases where the lubricant can get into the environment.**

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



## Synthetic high performance inside bearing lubricant

high temperature stable, synthetic oils (ester), biodegradable, with anti-wear, anti-ageing and anti-corrosion additives			
Colour: yellow-brown		Odour: mild	
Technical data	Unit of measurement	Norm	S.K.D. 16
Density	g/ml	DIN 51757	0.850
Viscosity at 20°C	mm <sup>2</sup> /s	DIN 51562	22
Viscosity at 40°C	mm <sup>2</sup> /s	DIN 51562	12
Viscosity at 100°C	mm <sup>2</sup> /s	DIN 51562	-
Viscosity index	-	DIN ISO 2909	-
Flash point	°C	DIN EN ISO 2719	64
Pour point	°C	DIN ISO 3016	-50
Operative temperature range	°C	-	-50/+50*
Evaporation loss 1h/250°C	% by weight	DIN 51581	45**
S.R.V.-Test***		DIN 51834	
Friction coefficient $\mu$ min.	-		0.047
$\mu$ max	-		0.065
Wear rate ball	mm		0.50
disc	$\mu$ m		<2.00

\* after evaporation of the solvent -35°C up to +250°C

\*\* including solvent

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

### Compatibility:

RIVOLTA S.K.D. 16 is not aggressive to common metals and paints. It is compatible with seals resistant to mineral oil. The product is mixable and compatible with mineral oil.

### Preparing of the lubrication point:

Remove contaminations and residues as far as possible. RIVOLTA S.K.D. 16 also works as a dewatering fluid.

## Applications

**in general:** releases pollution, deposits, lubricant residues and acts as dewatering fluid at friction points where mechanical cleaning and drying is impossible

**chain lubrication:** for inside bearing lubrication of all highly loaded chains, for chain lubrication in dusty environment or at low temperature (e.g. refrigerating)

**rope lubrication:** as rope lubricant, dewateres, releases rust and pollution, reduces wear

**levers, joints, bolts:** for lubrication at tight tolerances, for lubrication of small parts

## Processing

**spray can:** place the spray can or the oil can directly to the friction points

**brush:** oil the friction surfaces thin with a clean brush, take care that no soil will be dragged in

**plunging:** Items shall be dipped in oil baths and subsequently dropped off.

**automatic lubricating systems:** drip feed lubricators, spray oil systems or mist oil systems - you can get more information 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.