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High temperature chain oil



RIVOLTA S.K.D. 240 is a fully synthetic temperature stable high performance oil especially developed for the chain lubrication. To develop RIVOLTA S.K.D. 240 the special requirements of the chain lubrication were combined with the demands of a compatibility with lacquers. Thus our product is built up on a mixture of synthetic ester oils with additives to improve the wear-, ageing- and corrosion protection. Examinations show that RIVOLTA S.K.D. 240 affects systems of lacquers considerably less than ordinary chain lubricants.

The property ...

- **minimal friction and wear**
- **temperature stable, ageing-resistant**
- **very slight formation of residues**
- **high compatibility with lacquers**
- **physiologically harmless**

will give the following benefits

- raised economy by reduced consumption of energy and extended life-time of chains
- long-term use of the lubricant, extended service intervals, reduced maintenance, reduced labour costs
- high operational safety because under the influence of high temperatures no resinifications or contaminations with lacquers occur which could prevent the chains to move easily and could result in a failure of the chains
- no negative influence on surfaces which are to be lacquered, rejects are avoided as well as an expensive re-work
- S.K.D. 240 can also be used in the food industry according to German regulations. This proves the high purity of our product and guarantees maximal industrial safety

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



High temperature chain oil

High temperature stable, fully synthetic ester oils, biodegradable, with anti-wear, anti-ageing and anti-corrosion additives			
Colour: yellowish transparent			Odour: faint
Technical data	Unit of measurement	Norm	S.K.D. 240
Density	g/ml	DIN 51757	0,96
Viscosity at 40° C	mm ² /s	DIN 51562	100
Viscosity at 100° C	mm ² /s	DIN 51562	13,8
Viscosity index	-	DIN ISO 2909	131
Flash point	°C	DIN EN ISO 2592	> 250
Pour point	°C	DIN ISO 3016	< -30
Operative temperature range	°C	-	-30/+240
Evaporation behaviour	% by weight	BL-L 058	< 10
Propensity to contaminate with lacquers	-	BL-L 105	Soft, pasty, soluble
S.R.V.-Test*		DIN 51834 part2	
Friction coefficient μ min	-		0.12
μ max	-		0.15
Wear rate ball	mm		0.55
disc	μ m		1.70

*Swing friction wear tester, T=200°C, F=200 N, 180,000 load changes (1 h running time)

Applications

For the lubrication of driving chains, timing chains and conveyor chains in hot areas, such as lacquer dryers in the automobile industry, shrink tunnels in the food industry, stenter frames in the textile industry, conveyor chains in circular conveyor plants.

Compatibility

RIVOLTA S.K.D. 240 is not aggressive to common metals, plastics, lacquers and sealing materials resistant to mineral oils. The product is mixable and compatible with mineral oil.

Preparation of the lubrication point

Remove contaminations and residues as far as possible. Then lubricate with S.K.D. 240. The friction points should be dry to get the full adhesive property of our product.

Processing

- automatic lubricating systems RIVOLTA S.K.D. 240 was developed especially for the processing in automatic lubrication systems like drip feed lubricators, wick oilers, brush oilers, spray oil systems and mist oil systems – you can get more information about the use by contacting our department of technical support.
- oil can to lubricate single friction points you can use an oil can
- 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 be dropped off

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.