



Synthetic high performance adhesive lubricant

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Rivolta S.K.M. 3010 is a high performance adhesive lubricant of the fourth generation. The combination of high quality synthetic base oils with a brand new additive technology offers our S.K.M. adhesive lubricants efficiencies superior to conventional oils.

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

The property

- **extremely biodegradable**
- **minimal wear and friction**
- **aging- and oxidation-resistance**
- **operative temperature range from -15°C up to +120°C**
- **excellent adhesive properties**
- **no classification necessary according to the German hazardous substances ordinance**

will give the following benefits

- safety in cases where the lubricant can get into the environment
- 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 expense of maintenance, less labour costs
- qualified for use in a wide range of temperature while retaining constant good lubrication properties
- No „throw off“ of the lubricant at high speed, minimum pollution of the environment
- S.K.M. 3010 stands for a maximum of personal protection. The appropriate use of S.K.M. 3010 does not create any risks for the workers' health.

Rivolta S.K.M. adhesive lubricants set standards through extreme biodegradability combined with high technical efficiency



Synthetic high performance adhesive lubricant

Synthetic good biodegradable ester oil with anti-wear, anti-aging and anti-corrosion additives. Colour: transparent, rufous			
Technical data	Unit of measurement	Norm	S.K.M. 3010
Density	g/ml	DIN 51757	0.950
ISO viscosity class	-	DIN 51519	-
Viscosity at 20°C	mm ² /s	DIN 51562	140000
Viscosity at 40°C	mm ² /s	DIN 51562	30000
Viscosity at 100°C	mm ² /s	DIN 51562	1200
Viscosity index	-	DIN ISO 2909	>260
Flash point	°C	DIN EN ISO 2592	250
Pour point	°C	DIN ISO 3016	-16
Operative temperature range	°C		-15/+120*
Corrosion protection to steel	-	DIN 51355	0-A
Corrosion protection to copper	-	DIN EN ISO 2160	1
S.R.V.-test		DIN 51834	
• Friction coefficient μ min.	-		0.04
• Friction coefficient μ max.	-		0.06
• Wear rate ball	mm		0.45
• Wear rate disc	μ m		<1.50
* continuous temperature, short-termed use up to 160°C			
Ecological data			
Mammal toxicity	mg/kg	OECD Guidelines No. 401	>5000

Applications

- **chains in contact with water:** outside lubricant for chains and other lubricated items in direct contact with water, e.g. chains at sluices, chains on trash removal facilities, transfer chains in wet areas.
- **ropes:** as lubricant (outside lubrication) for ropes in connection with S.K.M 17 (inside lubrication) in outdoor installations.
- **in general:** for levers, joints, guide rails and other movable parts in outdoor installations

Compatibility

- Rivolta S.K.M. 3010 is not aggressive to common metals, plastics and lacquers. It is compatible with seals resistant to mineral oil. The product is miscible and compatible with mineral oil.

Preparing of lubrication point

- Remove contaminations and residues as good as possible. The friction points should be dry to get the full adhesive property of the product.

Processings

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

⇒ You can get more information about the processing by contacting our technical application department.

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