



Ecological multipurpose lubricant

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RIVOLTA S.K.D. 3802 is a multipurpose lubricant. A highly biodegradable synthetic diester oil is built in a metal soap. Beside this, RIVOLTA S.K.D. 3802 contains biodegradable additives to improve ageing stability, corrosion prevention as well as lubricating properties. RIVOLTA S.K.D. 3802 is arranged in a way that the outstanding environmental acceptability is combined with a high technical efficiency.

The property

- **extremely biodegradable**
- **high water resistance**
- **pumpability**
- **reduce friction and wear**
- **operative temperature range from - 40°C up to + 130°C**
- **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.
- in case that components are exposed to weather-influence (e.g. wet atmosphere), lubricant will not be washed off. The functionality of components will be preserved.
- good pumpable at low temperatures because of the favourable flow-pressure characteristic. Can be used in automatic lubricating systems.
- metal contact of rolling or sliding surfaces is minimized. Service life of loaded components is increased.
- qualified for use in changing surrounding conditions because of the wide operative temperature range.
- S.K.D. 3802 stands for a maximum of personal protection. The appropriate use of S.K.D. 3802 does not create any risks for the workers' health. S.K.D. 3802 can also be used in the food industry according to German regulations.

**Rivolta S.K.D. 3802, the ecological multipurpose lubricant
with high technical efficiency**



Ecological multipurpose lubricant

Synthetic grease, made of highly biodegradable synthetic diester oil and additives to improve ageing stability, corrosion prevention, oxidation stability and wear protection properties. Colour: beige-opaque Odour: mild, specific			
Technical data	Unit of measurement	Norm	S.K.D. 3802
Density	g/ml	DIN 51757	0.90
Viscosity of base oil at 40°C	mm ² /s	DIN 51562/1	100
NLGI-grade	-	DIN 51818	2
Worked penetration	1/10 mm	DIN ISO 2137	265-295
ΔPW 100,000 Decrease of worked penetration after 100,000 double cycles	1/10 mm		<20
Operative temperature range	°C		-40 up to +130
Dropping point	°C	DIN ISO 2176	>190
Corrosion protection to steel (SKF-Emcor)	corr.-grade	DIN 51802	0 / 0
Corrosion effect on copper	corr.-grade	DIN 51811	1 at 100
Oil separation at 40°C	%	DIN 51817	<1 after 18h
Flow pressure	kPa kPa	DIN 51805 DIN 51805	11 at +20°C 45 at -20°C
S.R.V.-test*		DIN 51834	
Friction coefficient μ	-		0.10
Wear rate ball	mm		0.50
disc	μm		<1.50

* Swing friction wear test, T= 100°C, F= 200N, 500.000 load changes

Ecological data			
Mammal toxicity	mg/kg	OECD Guidelines No. 401	>5000
Fish toxicity	g/l	ISO 7346/II	3.0
Bakteria toxicity	g/l	DIN 38412/27	10.0

Applications:

- bearings: lubricant for roller bearings and plain bearings
- slide rails and check rails
- bolts, levers, joints
- gear wheels, racks, crown gears

Rivolta S.K.D. 3802 should be used in cases where the lubricant can get into the environment

Compatibility:

Rivolta S.K.D. 3802 is not aggressive to common metals, plastics and lacquers. It is compatible with seals resistant to mineral oils. Do not mix with other products.

Preparation of lubrication point:

Remove contaminations and residues as good as possible.

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.