

SO64 perma Bio Oil (low viscosity)

Rapidly biodegradable multi-purpose oil

Description

perma SO64 is a fully synthetic multi-purpose oil which fall under water hazard class 1, i.e. it is not hazardous to water. It has an excellent viscosity-temperature relation and a wide service temperature range.

perma SO64 protect against corrosion and wear and it is very adhesive and resistant to ageing and oxidation. In the FZG test, DIN 51354 pt 2 (A/8.3/90) this oil has a scuffing load stage ≥ 12 and meet the CLP requirements. In accordance with CEC-L-33-A-94, biodegradability after 21 days is $> 70\%$.

Application

perma SO64 is used for the lubrication of open drive and conveyor chains, spindles and joints as well as for spur, bevel and worm gears and pertinent machine elements, such as couplings, plain and rolling bearings.

perma SO64 is used in agricultural and forestry equipment, water treatment installations, gardening equipment, and in machinery for do-it-yourselfers and craftsmen.

perma SO64 is especially suitable for applications where oil leakage might contaminate the environment.

Source of supply

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Pack size

perma Lubrication Systems
Oil bottle on request

Application notes

perma SO64 is a lubricant especially developed for the perma Lubrication Systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in an perma Lubrication System. Depending on temperature and exposure time, synthetic lubricants on an ester base may have an impact on the functional capacity of rubber-elastic sealing materials. Seals made of NBR materials can be used at permanent temperatures up to max. 80°C.

For higher temperatures we recommend to use seals made of FKM materials. Paints may be attacked by synthetic lubricants. When applying perma SO64 we recommend the use of two-component paints for interior coating.

perma SO64

- Multi-purpose oil
- Rapidly biodegradable
- Water hazard class 1
- Meet CLP requirements
- Excellent viscosity-temperature relation
- Good antiwear behavior
- Very adhesive
- FZG test A/8.3/90 scuffing load stage ≥ 12

Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry place.

Product data

Base oil	ester
ISO VG DIN 51519	100
Cinematic viscosity, DIN 51561, at 40°C, mm ² /s	100
at 100°C, mm ² /s	15
Colour	orange
Density, DIN 51757, at 20 °C, g/cm ³ , approx.	0.94
Viscosity index, DIN ISO 2909	> 140
Pourpoint, DIN ISO 3016, °C	< -30
Service temperature range, °C	$- 30$ to 110
Elastomer compatibility towards 72 NBR 902 at 100 °C / 168 h	
change in volume %	$< +15$
change in hardness (Shore A), approx.	-6