Klüberplus SK 11-299

Lubricating wax for chains

Your benefits at a glance

- “Quasi-dry”, non-tacky lubricant film
- Wear protection
- High corrosion protection
- Good adhesion
- Excellent water resistance

Your requirements - our solution

Klüberplus SK 11-299 is a lubricating wax based on wax-like hydrocarbons and a synthetic hydrocarbon oil. It protects reliably against wear, shows excellent adhesion and is extremely resistant to water, thus providing excellent corrosion protection also when in contact with water. Once applied to the component surface, the lubricant leaves a “quasi-dry” non-tacky lubricant film.

Application

Klüberplus SK 11-299 was especially developed for the initial lubrication of steel chains. It is particularly suitable for chains exposed to dust, dirt, lint or water. This product makes it possible to lubricate chains which, due to the operating conditions, could not be lubricated in the past. Klüberplus SK 11-299 ensures long-term and in some cases even lifetime lubrication in transport, drive and control chains subject to low loads, which operate at a chain temperature of 60 °C maximum and under moderate ambient conditions.
In the low-temperature range, higher starting torques are possible after longer periods of chain standstill. Shorter relubrication intervals may be required at temperatures above 80 °C, depending on the chain load and speed.

Application notes

Klüberplus SK 11-299 has been especially designed for the initial lubrication of chains by hot dipping. When applied by hot dipping, we recommend an immersion bath temperature of 90 °C to 100 °C. Chains should remain in the bath until bubbling has stopped. We recommend preheating the com-ponents in order to reduce the period in the immersion bath. Excess wax can be blown off with hot air (80 to 90 °C) after the bath.

Chains can be relubricated with any chain lubricant suiting the individual requirements (except for polyalkylene glycol oils).

Material safety data sheets

Material safety data sheets can be requested via our website www.klueber.com. You may also obtain them through your contact person at Klüber Lubrication.

Pack sizes	Klüberplus SK 11-299
Can 1 kg	+
Bucket 25 kg	+

Characteristics	Klüberplus SK 11-299
Article number	012219
Colour space	yellow
Texture	solid

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Characteristics	Klüberplus SK 11-299
Service temperature, lower limit	-40 °C
Service temperature, upper limit	120 °C
Density, Klüber method: PN 024, 20°C	approx. 0.89 g/cm³
Flash point, DIN EN ISO 2592, Cleveland open cup	> 200 °C
needle penetration, DIN ISO 51579, 25°C	70-100 0.1 mm
Corrosion test, DIN EN ISO 6270-2, AHT	≥ 1 (20) corrosion degree (cycles)
Dropping point, DIN ISO 2176 / IP 396	70-80 °C
Water resistance, DIN 51807-1, based on standard, 5 h, 60°C	0 - 60 rating
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	36 months

Klüber Lubrication – your global specialist

Innovative tribological solutions are our passion. Through personal contact and consultation, we help our customers to be successful worldwide, in all industries and markets. With our ambitious technical concepts and experienced, competent staff we have been fulfilling increasingly demanding requirements by manufacturing efficient high-performance lubricants for more than 90 years.

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