

# Klüberplus C2 PM2 Super Dry

Conveyor belt lubricant for the food-processing industry



## Your benefits at a glance

- Better hygiene status and reduced cleaning effort due to prevention of residue formation on conveyor belts and in application systems
- Ensures reliable line operation as the product is free from silicone and PTFE, hence reduces the risk of nozzle blockage
- Reduced operating cost due to lower consumption of water and cleaning agents
- NSF-H1 registration for increased process reliability

## Your requirements - our solution

In the beverage and food-processing industry, you are looking for a conveyor lubricant which enables you to reduce your lubricant consumption, decrease the effort for cleaning conveyor belts and improve overall hygiene.

Klüberplus C2 PM2 Super Dry is based on a special set of ingredients to address the above requirements. The cleaning effort can be considerably reduced when using Klüberplus C2 PM2 Super Dry due to less residue formation. Klüberplus C2 PM2 Super Dry can be easily removed from the conveyor belt unlike silicone or PTFE based products, where aggressive cleaning agents need to be used. This reduced effort not only contributes to overall reduction in your operational cost but also saves water and enhances work safety, especially if the lines are running on wet lubrication.

Klüberplus C2 PM2 Super Dry also reduces the overall coefficient of friction on your conveyor belt, thereby contributing to smooth movement of PET bottles and metal cans.

The current products available in market are emulsions based on silicone or suspensions of perfluorinated substances (PTFE) in a base oil. Klüberplus C2 PM2 Super Dry is a homogeneous solution where the soluble raw materials do not get separated. This helps to prevent deposits (residues) on conveyor belts as well as in the application systems. This also considerably reduces the risk of nozzles getting blocked. There is no need to fit an agitator as no solid particles will deposit at the bottom of lubrication system.

Klüberplus C2 PM2 Super Dry is registered as H1. The lubricant was developed for incidental contact with products and packaging materials in the food-processing industry. The use of Klüberplus C2 PM2 Super Dry can contribute to increase reliability of your production processes. We nevertheless recommend conducting an additional risk analysis, e.g. HACCP.

## Application

Klüberplus C2 PM2 Super Dry was specially developed for the lubrication of conveyor belts made of plastic and the transport of PET, Carton, Glass and metal cans. Equipment must be suitable for use with lubricants based on water/ester oil.

## Application notes

In lines that have already been in operation, conveyor belt surfaces should be thoroughly cleaned prior to applying the lubricant.

Klüberplus C2 PM2 Super Dry is neutral towards many types of plastic and EPDM elastomer. Prior to use with an application system we recommend checking which sealing elastomer is used and whether it is compatible with the lubricant. Transfer of Klüberplus C2 PM2 Super Dry into the packaging section is not intended.

On request, we can also offer PET bottle and packaging foil compatibility tests.

Protect product from frost and direct heat.

If you have any other questions regarding application of this lubricant, our experts will be glad to support you.

\*The description is that of a standard application, where migration of lubricant through packing material is excluded. For additional information, please contact our experts.

## Material safety data sheets

Material safety data sheets can be requested via our website [www.klueber.com](http://www.klueber.com). You may also obtain them through your contact person at Klüber Lubrication.

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Pack sizes	Klüberplus C2 PM2 Super Dry
Canister 20 l	+
Drum 200 l	+
Characteristics	Klüberplus C2 PM2 Super Dry
Article number	049009
Appearance	clear - slightly turbid
NSF H1 registration number	154882
Biodegradability, OECD 301 F	≥ 60 %
Density, DIN 51757, 20°C	approx. 1.018 g/cm <sup>3</sup>
pH-value, DIN 51369, based on standard, electrometrically / water free	approx. 7.8
Kinematic viscosity, DIN EN ISO 3104 / DIN 53000-1, based on standard / ASTM D445 / ASTM D7042, 40°C	approx. 1.4 mm <sup>2</sup> /s
Pour point, DIN ISO 3016, ASTM D97, ASTM D5950, ASTM D7346	≤ -5 °C
Minimum shelf life from the date of manufacture - in a dry, frost-free place and in the unopened original container, approx.	12 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 95 years.

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