



# CICO® TL 1600 B



## WHEEL FLANGE AND GEAR RIM LUBRICANT

### Product benefits

- reduces wear and noise on the wheel flange and gear rim
- prevents cracking and metal breakouts (e.g. gear rim breakage)
- high stability
- temperature resistance of the lubricating film from -90 °C to + 550 °C
- can be applied down to -40 °C
- high compressive strength and high surface adhesion
- no spinning off
- no gumming, does not bind dirt
- low consumption
- environmentally friendly, no dangerous material



### Description

**CICO® TL 1600 B, wheel flange and gear rim lubricant**, is a combination of chemically treated solid lubricants and a solvent-free, biodegradable, organic carrier. It was specially developed for gear rim and other open gear systems in order to reduce the rolling and sliding friction that occur under extreme pressure loads and to significantly reduce wear. Crack formation and metal breakouts on the gear rim are effectively prevented. Even at low doses, **CICO® TL 1600 B** forms a lubricating film that cannot be removed by conventional cleaning agents and which is extremely strongly adhering to metal surfaces.

The strongly adhering separating and lubricating film ensures a dry, homogeneous surface coating. It is extremely effective by thin film applications. It is also resistant to extreme pressure and temperature loads over a long period of time.

Due to its thixotropic nature spinning off the metal is almost impossible. This guarantees constant lubrication and a significant reduction in wear, as well as a high level of operational reliability.

**CICO® TL 1600 B** contributes to vehicle safety and stability as well as long-term cost minimization and efficiency

### Application information

**CICO® TL 1600 B** can be applied at temperatures as low as -40 °C. The temperature resistance of the long-term separating and lubricating film is guaranteed with constant function from -90 °C to + 550 °C.

**CICO® TL 1600 B** is supplied in 10 kg, 25 kg and 200 kg containers. Other container sizes on request.

### Technical specifications

Substance name	CICO® TL 1600 B
Color	gray
Density (ISO 12185; at 20 °C)	1.03 g/cm <sup>3</sup>
Viscosity (Brookfield LVT; 5 rpm; 24°C; Spindle No. 1)	1150 mPa.s
Kinematic viscosity (ISO 3104; at 24°C)	327 mm <sup>2</sup> /s
NLGI class (DIN 51818)	000
Application temperature	-40°C to +90°C
Temperature range of lubrication	-100°C to +500°C
Flashpoint	255°C
Ignition point	>350°C
Thermal decomposition	>350°C
Dangerous reactions	none
Biodegradable (CEC-L-33-A-94)	>90% (base oil)
Water hazard class (WGK)	1
Disposal (AVV)	No.130207
Transport	no dangerous goods
Storage stability	at least 2 years