



## LUBRICATING GREASES

# ADDINOL ECOPLUS CA 2

### PRODUCT DESCRIPTION

ADDINOL Ecoplus CA 2 is a biodegradable lubricating grease based on vegetable oil (rapeseed oil) and calcium soap as thickener.

Temperature range from -20 °C up to +80 °C, short term temperature peak +110°C.

### APPLICATION

- Excellent suitability for the lubrication of roller and sliding bearings as well as sliding surfaces under normal loads
- Suitable as lubricant in building industry, forestry and agriculture as well as industrial and municipal sectors
- In particular for loss lubrication points, where excess and spilled grease could end up in the ground, the sewage system or water bodies
- Highly suited as protection agent against freezing on covers of caps and fire hydrants, also at covers of storm drains, sewers and shafts; protects covers of gas and water gate valves
- Fit for the lubrication of drilling rods
- NOT suitable for the lubrication of high-speed bearings which are re-lubricated only at rare intervals (e.g. wheel bearings)

### CHARACTERISTICS

- Biodegradable
- Good corrosion protection properties
- Very good adhesion
- Improved friction and wear protection
- Excellent water resistance

### SPECIFICATIONS

According to DIN 51502:

- KE2E-20

In compliance with NLGI class 2.

### BIODEGRADABILITY

- 72 wt-% acc. to OECD 301 B

### DELIVERY

Delivery in 25kg hobbocks, 10kg buckets and 400g cartridges.

### STORAGE

Due to the use of vegetable base oils the shelf life is limited to 6 months.

### ADVANTAGES AND BENEFITS

- Free from mineral oils
- Environmental compatibility
- Excellent suitability for ecologically sensitive areas
- Good protection of lubrication points
- No dripping or throwing off
- Long lifetime of friction pairings
- Suitable for lube points with direct water contact





## ADDINOL ECOPLUS CA 2

### SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / Unit		Ecoplus CA 2	Method acc. to
Colour			ecru	visual
Structure			pasty	
Thickener			Ca soap	
NLGI class			2	DIN 51818
According to DIN			KE2E-20	DIN 51502
According to ISO			ISO-L-X BBHB2	ISO 6743
Temperature range		°C	-20 up to +80, short time +110°C	
Drop point		°C	approx. 150	DIN ISO 2176
Worked penetration	0.1 mm		265-295	DIN ISO 2137
Behaviour against water	at 40°C		0-40	DIN 51807-1
Corrosion protection		corr.level	0	DIN 51802
Corrosion protection on copper	at 80°C	corr.level	1-80	DIN 51811
Biodegradability		wt-%	72	OECD 301 B

#### Base oil

Type			native oil	
Viscosity	at 40°C	mm <sup>2</sup> /s	36	DIN 51562

### ADDINOL - The Experts for High-Performance Lubricants

We at ADDINOL develop and produce more than 600 high-performance lubricants of the new generation. Among these are automotive lubricants for highest demands and pioneering developments for industrial applications. Our customers all over the world benefit from the high and stable quality of our ADDINOL high-performance lubricants, our know-how and the individual customer advisory service of our competent experts. Our company has world wide activities. ADDINOL high-performance lubricants are distributed by more than 90 international partners.

The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.