

BIOCON PEWAS PROTEC 40

Description

Biodegradable grease designed for loss greasing and made from synthetic esters, natural fatty acid esters and additives. Suitable for the greasing of rail switches.

The physical form: yellow - yellow-brown liquid (dense, viscous)

Technical parameters

Composition	a mixture of natural and synthetic esters
Melting / freezing point [°C]	- 30
DSC oxidation test - beginning of oxidation [°C]	238
The beginning of distillation [°C]	> 190
Flash-point [°C]	> 70
Relative density [kg/m ³]	> 800
Solubility in water [g/l]	insoluble
Kinematic viscosity [mm ² /s at 40 °C]	> 20,5
Water content [% w]	< 1,0
Spreading rate of applying [m ² /l]	> 20
Biodegradation [% w]	> 80

Toxicity

The product is non-toxic, non-irritating to the skin. The preparation may irritate conjunctival eye mucosa. Rinse practically nullifies irritant. In contact with the material, it is recommended to observe basic hygiene rules, use protective gloves made of nitrile rubber, protect eyes, and wear protective clothing. Apply the normal industrial hygiene practices.

Ecology

Acute toxicity	toxic doses are not known
Abiotic degradability	rapidly degradable in the air
Biotic degradability	very good biodegradable

Storage and manipulation

It must not be stored next to strong oxidants. Store in some cool adequately ventilated premises, away from flammable materials.

Transport

It is not classified as dangerous in terms transport regulations

Packaging: 5L HDPE, 200L barrels, packages of customer

Use:

- In the railway infrastructure (greasing switches and moving parts: sliding chairs, safety hooks, hook locks, pivots, arches of rails)
- Multifunctional use in many areas (protects against corrosion, releases corroded screws, dissolves rust, greases and cleans)

Biocon Pewas Protec 40 (PP 40) biodegradable oil for use mainly in rail infrastructure. It has excellent grease properties and is oxidation stable, corrosion-resistant and water-repellent. It is useful for loss greasing of linear guides, such as switches and moving parts (sliding chairs, safety hooks, hook clamps, pivots).

It is more effective and does not cause pollution of environment, soil and groundwater with comparison of traditional greases. It meets the high demands of even in adverse conditions, such as high humidity, dust, snow and so on.

Benefits

- Economical and low power consumption (3-7 litres per one rail switch/year)
- Excellent grease and anti-wear properties, without mechanical impurities and clogging of components
- It is environmentally friendly, biodegradable and non-toxic
- Significantly extends the life of greased components
- It may be used in extreme conditions (-30 to + 90 °C)