

ECOPOINT

TECHNICAL DATA SHEET

By nature,
for life





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TECHNICAL DATA SHEET

E.P. Biotef-R A multi purpose dry film lubricant containing a teflon dispersion and biodegradable oil.

General Description

E.P. Biotef R is a concentrated dispersion of a homogeneous mix of Teflon/PTFE particles in a biodegradable natural rapeseed oil. Due to its very specific additive package, E.P. Biotef R is a revolutionary high quality lubrication oil/ cleaning-/maintenance product. Teflon/PTFE particles prevent metal-to-metal contact and lubricate under extremely high pressures. The high concentration of Teflon/PTFE will keep metal surfaces from sticking or seizing, even when there is insufficient lubricant present.

The Problems

- Most ordinary lubricants attract dirt, sand, dust, etc.
- Insufficient lubrication also causes further damage to metal surfaces
- This results in extra maintenance costs and production losses
- High friction results in fast wear and high energy cost
- Insufficient lubrication causes corrosion problems

The Answer

E.P. Biotef R is the solution for all the above mentioned lubrication problems. E.P. Biotef R lubricates and protects the metal surface in such a way that wear and tear on chains and cables etc. will be reduced to a minimum. Ultimately, this will result in saving costs seriously.

Special Features

- E.P. Biotef R is a thin liquid lubricant which penetrates into the smallest gaps and openings
- E.P. Biotef R is based on natural rapeseed oil
- E.P. Biotef R is 94% biodegradable according to CEC L-33-T-82 (inert material is not biodegradable)
- E.P. Biotef R has anti corrosion properties
- Teflon/PTFE particles cause E.P. Biotef R to lubricate stronger
- E.P. Biotef R reduces stickslip
- E.P. Biotef R has cleaning capacities
- E.P. Biotef R loosens rusted bolts and nuts
- E.P. Biotef R is a high quality lubrication oil
- E.P. Biotef R has excellent penetrating properties
- E.P. Biotef R is multifunctional and replaces many other oils and greases such as penetrating oil, chain oil and other greases which are often very expensive
- E.P. Biotef R has a better and longer lasting lubrication than any other preserving oil

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Special Features

- E.P. Biotef R lubricates from -50° C till 80° C
- Maximum pressure: >2700 Ncm² (according to the Timken test at 100° C)
- Climate chamber test: >504 hours according to ASTM D1748
- Salt spray test: >14 hours according to ASTM B117

Typical Applications

To be applied as a (combined) lubricating/cleaning-/maintenance product for:

- maintaining and lubricating machinery
- chain saws in forestry
- cables, chains and conveyor belts
- replacing penetrating oil or preserving lubricants
- preserving metal surfaces
- for bearings and open gear wheels
- hinges, locks, spindles and connections
- E.P. Biotef R is a multifunctional product

Remarks

E.P. Biotef R is not just a lubricant, but a complete maintenance system. E.P. Biotef R displaces water, lubricates, cleans and protects. It is important to shake before using the product!

Method of use

E.P. Biotef R. can be sprayed by a trig sprayer or by an air pump sprayer.

Packing

Eco-Point International products are packed in polyethylene H.D. or metal drums. When repeat orders are being delivered, used drums which are empty and not polluted are collected free of charge for recycling or reconditioning purposes. When incinerated, polyethylene has no harmful effect on the environment.

Eco-Point sprayers are made of PE or PET: light weight, little raw material per bottle, low production energy consumption, virtually unbreakable and therefore long life, little waste during production and recycling, no harmful substances when incinerated, 100% recyclable.