

Technical Data sheet

BIOGELSE

Biodegradable Plastic Lubricants

Description

BIOGEL SE is a range of high-performance, readily biodegradable plastic lubricants based on synthetic vegetable ester base oils and selected modern additives.

Areas of Application

Premium synthetic complex lubricants **BIOGEL SE** are used in a wide range of automotive, marine, agricultural, forestry and general industrial applications. **BIOGEL SE** products offer improved stability and universal applicability, and are particularly recommended for use in environmentally sensitive areas.

Characteristic features

- Excellent lubricating properties
- Naturally greater adhesion than mineral oils
- Improved anti-corrosion & anti-wear protection
- Extra high Viscosity Index
- Very good rheological properties at low temperatures
- Increased overall system efficiency
- Non-toxic, based on renewable materials
- Readily biodegradable OECD 301B over 90% biodegradability within 21 days

TYPICAL CHARACTERISTICS

PARAMETER	UNIT	TEST METHOD	NLGI 000	NLGI 0	NLGI 1	NLGI 2
Penetration	10-1mm	ASTM D-217	445-475	355-385	310-340	265-295
Thickening Phase	-	CSN ISO 6247	Al/Ca complex	Al/Ca complex	Al/Ca complex	Al/Ca complex
Usable temperature range	°C	CSN ISO 3016	-30 to +110	-30 to +110	-30 to +110	-30 to +110
Base oil kin. viscosity at 40°C	mm²/s	ASTM D-445	50	50	50	50
Dropping Point	°C	ASTM D-2265	175	190	240	260
Viscosity Index	1	ASTM D-2270	220	220	220	220
Flash Point	°C	CSN EN ISO 2592	190	220	230	240
Biodegradability	%	OECD 301C	>90	>90	>90	>90

Issue Date: 7/3/2016

Pacific Bio Lubricants Limited 11H Piermark Dr., North Harbour Auckland 0632, New Zealand

Postal: PO Box 35085, Auckland 0753

Sales and Technical Support

Phone: +64 9 973 4390 NZ Freephone: 0800 582 326 Email: info@lubeco.co.nz

