TECHNICAL DATA SHEET

ECOSLIDE 68

SLIDEWAY LUBRICANT

Description

ECOSLIDE 68 is a high-performance, biodegradable slideway lubricant based on synthetic esters. It has been specifically developed as an environmentally alternative to conventional mineral-oil-based slideway oils. The formulation combines excellent lubricity with advanced EP/AW additives, rust inhibitors, and a dedicated stick-slip modifier to ensure smooth and precise machine tool movement.

Areas of Application

ECOSLIDE 68 provides reliable lubrication under mixed lubrication conditions while maintaining strong adhesion to metal surfaces. Its ester base stock ensures high biodegradability and low environmental impact without compromising performance. ECOSLIDE is suitable for a wide range of industrial applications (machine tool slideways/guideways, beds, and columns of CNC and conventional machine tools). Applications requiring improved stick-slip control and surface finish.

Characteristic features:

- Biodegradable ester-based formulation
- Excellent stick-slip performance
- Enhanced EP (Extreme Pressure) and AW (Anti-Wear) protection
- Strong adhesion to guideway surfaces
- Effective rust protection
- Good demulsibility and compatibility with MWF fluids
- Alternative to conventional mineral oil slideway lubricants
- Non-toxic, readily biodegradable according to OECD 301B and OECD 301D

Typical characteristics

PARAMETER	UNIT	TEST METHOD	ECOSLIDE 68
Density at 15 °C	g/cm³	ISO 12185	~0.913 ± 0.01
Kinematic Viscosity at 40°C (ISO VG)	mm²/s	ISO 3104	61 - 75
Viscosity Index		ISO 2909	170
Pour point	°C	ISO 3016	< - 20
Flash point, COC	°C	ISO 2592	> 250
Foaming (sequence I., II., III)	ml	ISO 6247	0 / 0 / 0
Biodegradability (within 28 days)	%	OECD 301D	Exceeds

Note

All information is provided to the best of our knowledge and represents general, non-binding guide values. Technical data are average values and are subject to the usual production fluctuations. In case of doubt, please contact our Technical Service. For information concerning safety, the environment and the handling of the product, please refer to our EU safety data sheet. Our products are subject to continuous development. We therefore reserve the right to change the products and their manufacturing processes as well as all information contained in this document at any time and without prior notice.

Pacific Bio Lubricants Limited | 11H Piermark Drive, Rosedale, Auckland 0632, New Zealand
New Zealand info@lubeco.co.nz | www.lubeco.co.nz
Australia info@lubeco.com.au | www.lubeco.com.au

STANDARDS & GUIDELINES

ECOSLIDE 68 is designed to meet or exceed the performance requirements of:

- ISO 6743-13: L-G Slideway lubricants
- DIN 51502: CGLP - ISO VG 68 viscosity classification
- OECD 301 Readily biodegradable

PROCESS AND OPERATING CONDITIONS

- Recommended operating temperature range: -20 °C to +80 °C
- Suitable for central lubrication
- Apply using conventional lubrication equipment
- Ensure compatibility with seals, paints, and coatings prior to use
- When converting from mineral oil, drain the system and flush if necessary for best performance

ENVIRONMENTAL & SAFETY NOTES

Readily biodegradable (OECD 301D > 60 % / 28 days).