Oak Palm NPG-DO

High performance Neopentyl Glycol Dioleate lubricant base fluid

Oak Palm NPG-DO is an unsaturated polyol ester based on Neopentyl Glycol Dioleate. Oak Palm NPG-DO is recommended for use in the formulation of hydraulic fluids and environmentally friendly machining fluids (including aluminium processing and steel rolling).

Typical Characteristics

Measurement	Unit	Typical value
Visual appearance		Clear liquid
Density @ 20°C	g/ml	0.92
Kinematic viscosity @ 40°C	mm²/s	25
Kinematic viscosity @ 100°C	mm²/s	6.0
Acid value	mg KOH/g	0.0
Hydroxyl value	mg KOH/g	6.0
Pour point	°C	-36
Moisture	%	0.1

Features and benefits

Features	Benefit
Biodegradability	Compliance with local environmental regulation
Effective at low treat rates	Efficient formulations
Good lubricity	Improved surface finish, increased efficiency
High viscosity index	Temperature stability
High flash point	Safer operation
Hydrolytic stability	Longer life, increased productivity
Low misting	Healthier operation environment
High renewability content	Reduced impact on limited natural resources

Applications and recommended uses

Oak Chemicals recommends this product is used at the following typical treat rates:

- Steel rolling oils: up to 98%
- Hydraulic fluid: up to 98%
- Aluminium processing: up to 98%
- Metalworking fluids: 5 – 90%

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Sales and technical support

With experience working with lubricant industry formulators, Oak Chemicals technical specialists are able to offer expertise and support in selecting the most effective products for your application. For further or advice, please contact your local Oak Chemicals sales office, visit our website www.oakchemicals.com or email management@oakchemicals.com

For complete safety, health, personnel protection and first aid information, refer to the Material Safety Data Sheet (MSDS) which can be requested by website or phone Oak Chemicals.