



Technical Information

Release date: 11/22/2012

Validation date: 10/22/2015

Product designation:	Ultrathermoil VG 150
ISO designation:	

LUBCON – Special Oil

Ultrathermoil VG 150 is a polymer with low molecular weight and perfluorinated polyether oil structure. It has very high thermal and chemical resistance and can be used in high temperature applications with high chemical influences.

Features

- Good oxidation and temperature resistance
- High pressure stability
- High chemical resistance
- Low pour point
- Non-flammable
- Good compatibility with elastomers and metals

Application

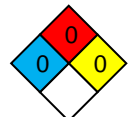
Ultrathermoil VG 150 is an excellent lubricating oil for the optical, electronic and machine manufacturing industry. It is suitable for the lubrication of high precision mechanics and dielectric hydraulics. **Ultrathermoil VG 150** is also recommended as heat transfer oil and for vacuum and oxygen applications.

Note: Clean all application points thoroughly before using **Ultrathermoil VG 150**. Optimum lubrication properties can only be achieved with clean and dry surfaces. **Ultrathermoil VG 150** can only be mixed with other liquids based on perfluorinated polyether.

TECHNICAL DATA	acc. Standard	DIN/ISO – Metric Units	US – Standard Units
Color		clear/transparent	
Structure		liquid	
Odor		odorless	
Base oil		PFPE	
Base oil viscosity	at -20 °C (-4 °F)	DIN EN ISO 3104	1004 mm ² /s
	at 40 °C (104 °F)		165 mm ² /s
	at 100 °C (212 °F)		49 mm ² /s
	at 175 °C (347 °F)		19 mm ² /s
Viscosity Index (VI)		350	
Density	at 20 °C (68 °F)	DIN 51 757	1.85 g/cm ³
Temperature range		>-65 °C up to 270 °C	>-85 °F up to 518 °F
Pour point	DIN ISO 3016	< -74 °C	-102 °F
Evaporation loss	(22 h/200 °C [392 °F])		< 0.4 %
Radiation stability	at 125 °C (257 °F)		4 x 10 ⁴ Gy (4 x 10 ⁶ rd)
Flash point	DIN EN ISO 2592	none	

Available Packaging

500 ml (17 oz) aerosol, 1 l (34 oz) bottles, 5 l (1.3 gal) cans, 20 l (5.3 gal) pails, 200 l (53 gal) drum



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