



BIO-SOL

Solvent bases

Base fluids for Lubricants & Functional fluids

The BIO-SOL-series has been developed for the future to meet the demands on environmental friendliness and independence of fossil resources. The products are REACH-compliant, and not classified as dangerous goods.

Parameter		Method	BIO-SOL 4	BIO-SOL 5	BIO-SOL D80	BIO-SOL AR
Kinematic Viscosity	40°C (mm ² /s)	EN ISO 3104	3.9	5.5	3.1	4.0
	100°C (mm ² /s)	EN ISO 3104	1.5	2.0	1.3	1.6
Density 15°C (kg/m ³)		ASTM D4052	790	887	799	880
Pour Point (°C)		ASTM D5950	-40	-10	-28	-48
Flashpoint (°C)		ASTM D93	145	166	88	81
Aniline Point (°C)		ASTM D611	94	<20	72	<20
Color		ASTM D1500	<<0.5	<2.5	<1.5	<2.0
Total Acid Number		ASTM D974	<0.1	<0.3	<0.1	<0.3
Total Aromatic Content (%)		EN 12916	<1	<1	<1	<2
Distillation range		ASTM D2887	IBP 275°C FBP 300°C		IBP 180°C FBP 340°C	
Biobased Carbon (%) ²		ASTM D6866	≥98	≥98	≥98	>93
Readily Biodegradable		OECD 301B	Yes	Yes	Yes	Yes

Table represents typical values

Environment & Safety

BIO-SOL 5 is unlabeled according to CLP.
 BIO-SOL 4 & D80 carries hazard statement H304 (aspiration hazard).
 BIO-SOL AR carries hazard statement H318 (eye damage).

Product Composition & Manufacturing

Developed and manufactured by Biobase Sweden AB from renewable raw materials. Bio-based products according to EN 16575:2014.

¹ASTM D6866, ²All components degrades to at least 60% in 28 days in OECD 301B.

