



Biobase[®]



BIO-SOL Non-evaporating solvent bases

BIO-SOL is a series of solvent bases for non-evaporative applications. 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
Kauri-Butanol Number		ASTM D1133	30	52	39	88
VOC (g/l)		ISO 11890-2	<0.1	<0.1	40	22
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	<1
Distillation range		ASTM D2887	IBP 285°C FBP 310°C	IBP 300°C FBP 360°C	IBP 185°C FBP 340°C	IBP 155°C FBP...340°C
Biobased Carbon (%) ²		ASTM D6866	≥98	≥98	≥98	>93
Readily Biodegradable		OECD 301B	Yes	Yes	Yes	Yes
GWP (cradle to gate) ³ Uptake ⁴		kg CO ₂ -eq/kg	1.05 -3.10	1.51 -3.00	2.19 -3.70	1.83 -4.07

Table represents typical values

Environment & Safety

BIO-SOL 5 & BIO-SOL AR are unlabeled according to CLP.

BIO-SOL 4 & BIO-D80 carries hazard statement H304 (aspiration hazard).

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

³From third party verified Cradle to Gate LCA (ISO 14040/14044) in accordance with API TR 1533 and UEIL PCF-calculation recommendation.

⁴Carbon sequestered during plant growth

Product Composition & Manufacturing

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

Shelf life 2 years from delivery.

