



**Biobase**<sup>®</sup>



# 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 D80
Kinematic Viscosity	40°C (mm <sup>2</sup> /s)	EN ISO 3104	3.9	3.1
	100°C (mm <sup>2</sup> /s)	EN ISO 3104	1.5	1.3
Density 15°C (kg/m <sup>3</sup> )		ASTM D4052	790	799
Pour Point (°C)		ASTM D5950	-40	-28
Flashpoint (°C)		ASTM D93	145	88
Aniline Point (°C)		ASTM D611	94	72
Kauri-Butanol Number		ASTM D1133	30	39
VOC (g/l)		ISO 11890-2	<0.1	40
Color		ASTM D1500	<<0.5	<1.5
Total Acid Number		ASTM D974	<0.1	<0.1
Total Aromatic Content (%)		EN 12916	<1	<1
Distillation range		ASTM D2887	IBP 285°C FBP 310°C	IBP 185°C FBP 340°C
Biobased Carbon (%) <sup>2</sup>		ASTM D6866	≥98	≥98
Readily Biodegradable		OECD 301B	Yes	Yes
GWP (cradle to gate) <sup>3</sup> Uptake <sup>4</sup>		kg CO <sub>2</sub> -eq/kg	1.05 -3.10	2.19 -3.70

Table represents typical values

### Environment & Safety

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

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

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

<sup>4</sup>Carbon 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.