

CERWIN LVO Emulsifier



sasol

CERWIN LVO is a high-performance emulsifier for use in EC and OD formulations and in tank-mix adjuvant blends. It is particularly recommended to emulsify vegetable oils and methylated seed oils (MSO). It is compatible with various solvents and is not classified as a hazardous material.

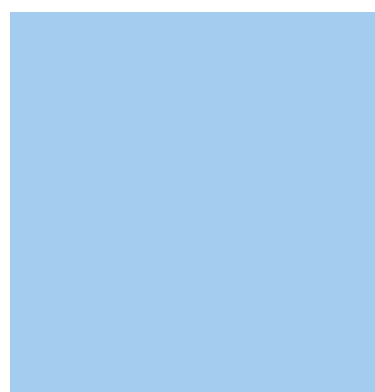
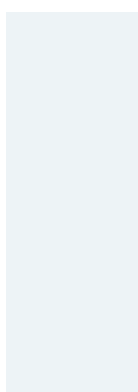
Main features:

- Self-emulsifiable in water
- Soluble in vegetable seed oils and methyl esters
- Excellent stability of vegetable oil emulsions
- Good solubility in natural and mineral oils and in most polar and aromatic solvents
- Not classified as hazardous material
- Also available using ISCC Plus certified bio-based ethylene oxide (mass balanced)

Characteristic	Unit	Value	Method
Appearance at 20 °C	–	Yellowish liquid clear	Visual
Density at 25 °C	g/mL	ca. 0.99	DIN 51757
pH (1% in demin. water)	–	7–8	EN 1262
Pour point	°C	< –20	ASTM D 5950
Renewable content	%	min. 60	

CAS-No.: 220037-02-5 or 110531-96-9; EPA status: 40 CFR 180.960; product is a polymer and therefore exempted from EU REACH registration.

Please refer to current version of safety data sheet for classification, labelling, transport classes and regulatory status.



Comparative performance example emulsifying methylated seed oil (canola MSO) with **CEREWIN LVO** combined with ethoxylated oleic acid (**MARLOSOL OL7**) vs. competitor emulsifiers. The test results show that the **CEREWIN LVO/MARLOSOL OL7** combination provides a smaller and narrower particle size distribution leading to a more stable emulsion and consistent performance.

Methylated seed oil: 85%

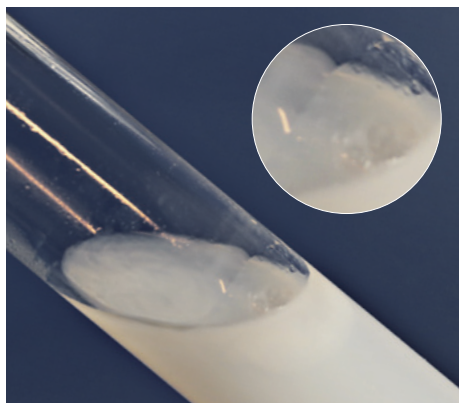
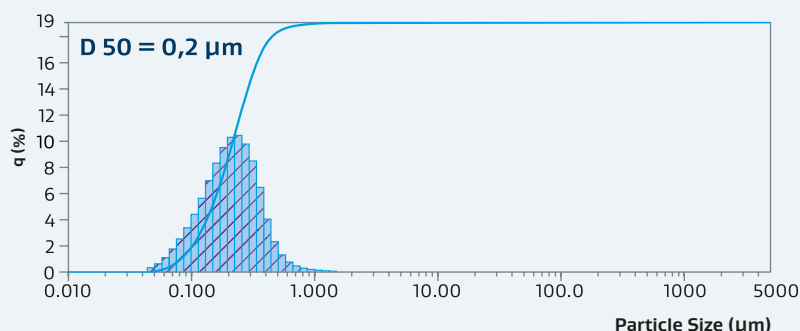
CEREWIN LVO: 8%

MARLOSOL OL7: 7%

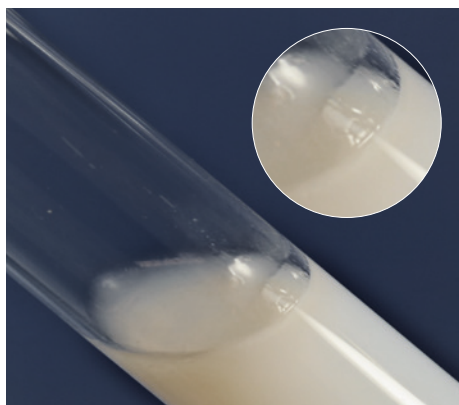
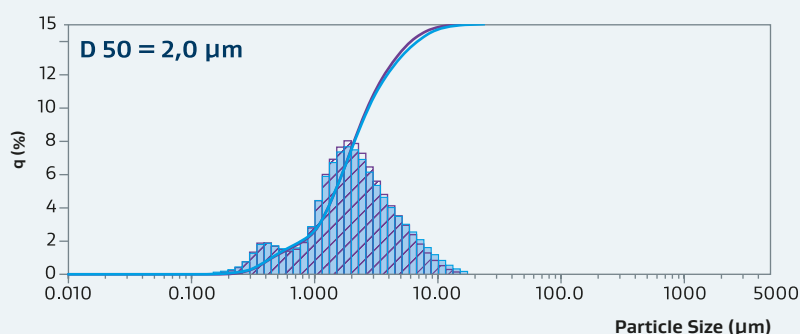
Emulsion stability: 5% w/w emulsified oil in tap water, 22 °C,
particle size was measured after dilution, stability after 24 h in pictures below.



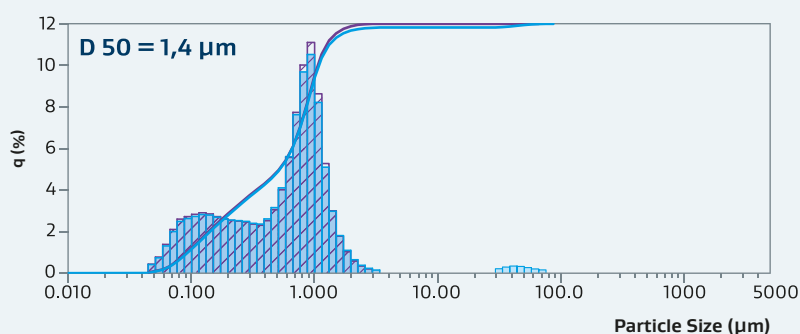
Oil with CERWIN LVO / MARLOSOL OL7 emulsifier



Oil with competitor 1 emulsifier / MARLOSOL OL7 emulsifier



Oil with competitor 2 emulsifier / MARLOSOL OL7 emulsifier



CEREWIN LVO provides superior performance by itself for emulsifying sunflower oil in water at 80:20 oil: emulsifier ratio.

AT YOUR SERVICE

www.sasol.com

For sales and pricing information, please contact: agrosales@eu.sasol.com

For technical requests and samples, please contact: agrotech@eu.sasol.com

Source reference: Sasol Ltd.

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