

EMULSIFIERS FOR AGRO OILS



sasol

Emulsifiers for Vegetable Oils

Main Features

- Used for building stable macro and micro emulsions
- Excellent emulsifying ability in particular for rapeseed oil
- High efficiency emulsifiers
- Low pour point for easy handling
- Label free



	CEREWIN LVS	CEREWIN EL 11
CAS-Nr.	110531-96-9	61791-12-6
Solidification point	< -20 °C	ca. -40 °C
HLB	ca. 6.9	ca. 6.9
Function	Emulsifier for vegetable oils	Co-Emulsifier

Emulsions with rapeseed oil

Mixture of Rapeseed Oil & Emulsifier

Rapeseed oil	80 %
CEREWIN LVS	16 %
CEREWIN EL11	4 %

Emulsion Stability

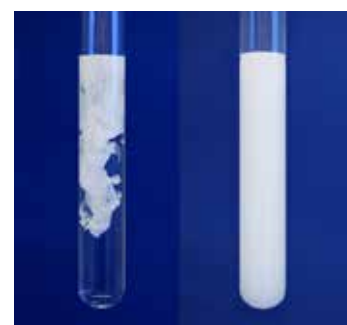
Oil/creaming volume [ml]:

- after 10 min:	0
- after 30 min:	0
- after 2 h:	0
- after 24 h:	1

Emulsifiers for Methylated Rapeseed Oil

Main Features

- Outstanding low foaming property
- Improved emulsifying efficiency
- Improved lime soap dispersing power
- High formulation compatibility
- Readily biodegradable



	CEREWIN 6400	CEREWIN T 50V
CAS-Nr.	680002-96-0	69011-36-5
Solidification point	7 °C	< -20 °C
HLB	ca. 10.0	ca. 10.5
Function	Emulsifier	Emulsifier

Dispersion in water
T = 22 °C
342 ppm Hardness
20 x Dilution

Emulsion Stability

(Dilution 20x, 342 ppm hard water, 22 °C)

Oil/creaming volume [ml]:

Mixture of MSO & Emulsifiers

Methylated rapeseed oil:	80 %
CEREWIN 6400:	10 %
CEREWIN T 50V:	10 %

- after 10 min:	0
- after 30 min:	0
- after 2 h:	0
- after 24 h:	1

Emulsifiers for Mineral Oil

Main Features

- Excellent emulsifying ability for mineral oil
- Improved emulsifying efficiency
- High formulation compatibility
- Readily biodegradable

	CERWIN LM 20	CERWIN S 20V	CERWIN T 80V	CERWIN T 90V
CAS-Nr.	68439-50-9	160901-19-9	69011-36-5	69011-36-5
Solidification point	8 - 15 °C	-10 °C	11 °C	3 °C
HLB	6.3	6.2	12.8	13.3
Function	Emulsifier	Emulsifier	Emulsifier	Emulsifier

Emulsification example:

	% wt	% wt	% wt
Mineral oil	85	85	85
CERWIN LM 20	7	-	9
CERWIN S 20V	8	9	-
CERWIN T 80V	-	-	6
CERWIN T 90V	-	6	-

Emulsification stability (dilution 20x, 342 ppm water hardness), oil creaming volume [ml]

After 10 min	0	0	0
After 30 min	0.5	0	0
After 2 hrs	1	0.5	0
After 24 hrs	3	2	2

Mineral Oil Information: Average Carbon Number: 20, $C_p/C_N/C_A$: 74/26/0

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