

EMULSOGEN EL 360

Technical Data Sheet

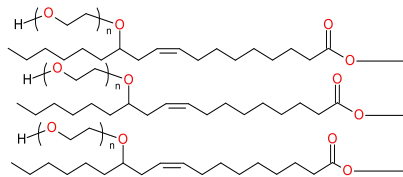
EMULSOGEN EL 360

Emulsifier for crop protection formulations

Chemical name Castor oil based ethoxylate, 36 mol EO

INCI Name: PEG-36 Castor Oil

Chemical structure



Product properties ¹

Appearance (25°C) Viscous liquid

Chemical and physical data

	Specifiaction	Unit	Method
Active content	100	%	Clariant
Water content	Max 0.5	%	Clariant; KF
pH value	7.0 - 8.5		Clariant; 1 % in water
HLB	About 13.5		Clariant; Griffin

Profile

¹ These characteristics are for guidance only and not to be taken as product specifications. The tolerances are given in the product specification sheet. For further product properties, specifications, safety, and ecological data, please refer to the MSDS.

Publisher
Rothausstrasse 61
4132 Muttenz
Switzerland

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Use

EMULSOGEN EL 360 is a nonionic, standard NPE-free emulsifier.

Application and characteristics

EMULSOGEN EL 360 shows excellent emulsification characteristics for many solvents typically used in agrochemical formulations. Besides that, it is an environmentally friendly and not eye-irritating product.

EMULSOGEN EL 360 could be used to achieve the following crop protection formulation types: Emulsifiable Concentrate [EC], Emulsion in Water [EW], Suspension Concentrate [SC], Suspoemulsion [SE] and Oil Dispersion [OD].

The product is often used in combination with anionic emulsifier components such as Phenylsulfonat CA and Phenylsulfonat CAL and other non-ionic emulsifiers as EO-PO block copolymers (EMULSOGEN 3510, EMULSOGEN EP 4901) and EMULSOGEN TS types.

Compatibility

The product is miscible with the standard solvents used for Agrochemical formulations, including vegetable oils and its esters, aromatic solvents, mineral oil, N-alkyl-pyrrolidones, N,N-dimethyl-alkanamides among others.

Typical Use Level

As for standard emulsifiers and emulsifier packages, typical rates are around 5 to 15 % with respect to the oil phase. Mixing with other emulsifiers might allow to reduce the use level and increase emulsion stability.

Storage and Handling

EMULSOGEN EL 360 can be stored in the original containers tightly closed in a cool, well-ventilated place.

In case of using only part of the container, homogenise the content before product withdrawal.

Safety

Further information on handling, storage and dispatch is given in the material safety data sheet.

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