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Industrial and Consumer Specialties

## Emulsogen EL 360

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Combining high performance with a green market vision

### Product Description

Emulsogen EL 360 is a nonionic component which, when used in combination with anionic components such as Phenylsulfonat CA/CAL, is particularly suitable for emulsifying biocides.

### Benefits

- Widely used in numerous registered formulations
- Reliable performance
- Target the green formulation market
- Improved formulation labeling
- Sustainable formulations
- Globally applicable
- Constant formulation properties
- Improved toxicological profile

### Specifications

Formulation type	EC SE EW OD
Product class	Castor oil ethoxylate
REACH status	Exempted due to polymer status
Cloud point method	-
Cloud point [°C]	-
Product composition	Castor oil ethoxylate with 36 EO
Active content (ca.)	100%
Appearance	Liquid
Water content	max. 0.5%
HLB (calc.)	13.5
EPA exempted from tolerance under 40 CFR § 180	960

### Applications

Emulsifier combinations of nonionic and anionic surfactants are used successfully for making up a number of biocides in the form of self-emulsifying, liquid concentrates. Combinations are more adaptable than individual emulsifiers and therefore ultimately also more economical. Emulsogen EL 360 is a nonionic component which, when used in combination with anionic components such as Phenylsulfonat CA, CAL, is particularly suitable for emulsifying biocides.

It is always advisable to tailor the combination of Emulsogen EL 360 and the anionic components mentioned above to the active ingredients, solvents and concentrations used and make it as effective as possible.

### Life Cycle

#### Sustainable Design

- Friendly, non-hazardous material
- Based on castor oil
- Renewable share ca. 50%
- NPEO free

#### Responsible Process

- Resource efficiency due to 100% yield
- Minimized waste generation
- Certified for safety and quality according to ISO 9001, ISO 14001 and OHSAS 18001
- Global production (Germany, Spain, China, Mexico, USA) can help to reduce transport

#### Safe & Efficient Use

- Safe handling due to improved human tox profile, i.e. non-irritant to eye and skin
- Increasing efficacy of agrochemical formulation
- Efficient use by helping to reduce water consumption during application

- Reliable performance with best technical quality
- Products approved in national organic farming programs

#### Eco Integration

- Improved environmental profile
- Less effect on the aquatic life (LC50 > 100 mg/l)
- Inherently biodegradable (>70% in 28 days according to OECD 302B)

#### MSDS and TDS

For regulatory details such as the classification and labelling as dangerous substances or goods please refer to our corresponding Material Safety Data Sheet.

#### Contact Us;

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).

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