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Industrial and Consumer Specialties

Emulsogen EL 400

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Castor oil ethoxylate

Product Description

Emulsogen EL 400 is a standard NPE-free emulsifier in various EC formulations. The product shows excellent emulsification characteristics for many solvents and is not eye-irritating.

Benefits

- Excellent emulsifier
- Not eye-irritating
- 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 40 EO
Active content (ca.)	100%
Appearance	Liquid-pasty
Water content	max. 0.5%
HLB (calc.)	14
EPA exempted from tolerance under 40 CFR § 180	960

Applications

Emulsogen EL 400 is a nonionic emulsifier compound and can be used successfully in combination with anionic compound for the preparation of emulsifiable concentrates.

We can recommend as anionic emulsifier compound:

Phenylsulfonat CA
Phenylsulfonat CAL

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 (>60% in 28 days according to OECD 302B)

Safety

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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