

TEGIN® O V

Product description

TEGIN® O V is a liquid, non-ionic Glycerol-mono/dioleate emulsifier.

Physical properties

Form (25 °C)	paste-like
HLB (± 1)	3.3
Acid number	max. 2 mg KOH/g
Saponification number	158 – 175 mg KOH/g
Iodine number	70 – 82 gJ/100 g
Free glycerol	max. 2 %
Total monoester	55 – 65 %
Peroxide number	max. 10
Water	max. 1 %

Application

TEGIN® O V is used as emulsifier in a wide range of industrial applications, such as

- Metal working fluids (MWF)
- Agrochemicals
- Concrete release agents

In the case of MWF applications, TEGIN® O V is mainly used as co-emulsifier in combination with more hydrophilic emulsifiers, such as TAGAT® V 20 and TAGAT® TO V for the formulation of environmentally friendly fluids based on vegetable and synthetic ester oils, as well as combinations of these oils with mineral oils.

Properties / Benefits

TEGIN® O V is an emulsifier based on raw materials derived from vegetable products; therefore,

- TEGIN® O V has good toxicological and ecological properties (water hazard classification = 1)
- TEGIN® O V does not require any hazard warning labels in accordance with EG directives / German regulations on dangerous substances
- TEGIN® O V has good dermatological properties (no skin irritation)

Dosage / Handling

TEGIN® O V is used in a wide range of different applications. Therefore the dosage level can vary.

Recommendations about dosage and handling could be given on request.

Registration status

The ingredients of TEGIN® O V are listed in the following chemical inventories:

EINECS, TSCA, AICS, DSL, ENCS, ECL, PICCS and CHINA

Storage stability

In original closed containers TEGIN® O V can be stored at temperatures below 40 °C for at least 1 year

Packaging

190 kg drum
 Pallet size 4 x 190 kg = 760 kg
 900 kg Container

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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Trademark notice and legal notice

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