

Technical Information

TEGO® STO 85 V

Product description

TEGO® STO 85 V is a liquid emulsifier, non-ionic polyoxyethylene-20 sorbitan trioleate. It creates emulsion in EC, EW and OD formulations.

Microbial compatibility

TEGO® STO 85 V is biocompatible with microbial control agents like *Trichoderma spp.*, *Beauveria bassiana*, *Bacillus spp.*

Physical properties

Form (25 °C)	Liquid
Appearance (25 °C)	Clear
Gardner colour	Max. 9
HLB (± 1)	10.5
Acid value	Max. 2 mg KOH/g
Saponification value	80 - 95 mg KOH/g
Hydroxyl value	39 - 52 mg KOH/g
Water	4.8 - 5.2 %

Application

TEGO® STO 85 V is an emulsifier mainly used for formulations based on paraffinic oils.

Properties/Benefits

TEGO® STO 85 V is a biobased emulsifier derived from natural raw materials, creating stable oil-in-water emulsions (o/w).

- TEGO® STO 85 V has good toxicological and ecological properties (water hazard classification 1)
- TEGO® STO 85 V does not require any hazard warning labels in accordance with EG directives/German regulations on dangerous substances.

- TEGO® STO 85 V has good dermatological properties (no skin irritation).
- TEGO® STO 85 V is readily biodegradable according to OECD 301.

Dosage

The dose rate depends on the emulsification stability and blooming effect in water.

The dosage varies in a range of 5 % - 9 %.

Listung status

TEGO® STO 85 V is listed in the following chemical inventories:

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

TEGO® STO 85 V is compliant with EC Regulation 1907/2006 (REACH).

Furthermore TEGO® STO 85 V is OMRI listed and compliant with 40 CFR 180.910 or 40 CFR 180.960.

Storage stability

In original closed containers TEGO® STO 85 V can be stored at temperatures below 40 °C for at least 1 year.

Packaging

4 x 200 kg plastic drums (800 kg pallet)
1 000 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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