

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.

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

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.

05/2019

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Nutrition & Care GmbH
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173 2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
www.evonik.com/Interface-performance

