

Technical Information

TEGO® Antifoam 2450

TEGO® Antifoam 2450 is an APEO-free organic antifoam concentrate based on vegetable oil.

Physical properties

Appearance	yellowish, turbid liquid
Active content	100 %
Density (25 °C)	approx. 0.96 g/cm ³
Viscosity	100 – 200 mPas

Application

TEGO® Antifoam 2450 is designed for the use as process aid in the water-based polymerization of SBR/NBR rubber materials. However, for the defoaming of SBR emulsions as used in adhesives and paper coatings, we rather recommend to use the specialized defoamers TEGO® Antifoam 2290 and 2291.

Handling

TEGO® Antifoam 2450 should be applied as delivered, pre-dilution is not recommended since it does not form stable emulsions without stirring.

If a pre-dilution of TEGO® Antifoam 2450 in water is required, however, we recommend to produce the dilution shortly before application by using an inline mixing device.

Dosage

Since soaps are used in the emulsion step of SBR / NBR rubber manufacturing, a dosage of several thousand ppm (e. g. 0.05 – 0.8 %) of TEGO® Antifoam 2450 is often required.

Benefits

Unlike conventional defoamers, TEGO® Antifoam 2450 was specifically developed to avoid premature coagulation. This allows for less cleaning of the reaction vessel and the demonomerization column while the TEGO® Antifoam 2450 does not hinder the coagulation stage. Test with the customer specific emulsions are recommended.

Food contact status

FDA Regulation

TEGO® Antifoam 2450 may be used in compliance with 21 CFR 177.2600 for use in rubber articles intended for repeated use in contact with food, up to a maximum level of 1000 ppm in the finished rubber.

European 10/2011 and amendments

All components of TEGO® Antifoam 2450 are listed in the EU Regulation 10/2011 without any specific SML values.

BfR Recommendations

TEGO® Antifoam 2450 may be used according to the BfR Recommendation XIV. Rubber dispersions that corresponds to BfR XIV may be used according to BfR XXI as raw material for the production of rubber articles coming into contact with food.

Registration status

The components of TEGO® Antifoam 2450 are listed in the following chemical inventories:

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

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® Antifoam 2450 is compliant with EC Regulation 1907/2006 (REACH).

Packaging

1 000 kg containers

Storage stability

TEGO® Antifoam 2450 is stable in closed containers for a minimum of 12 months.

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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