

Technical Information

TEGO® Antifoam 3045 – Organic Oil Defoamer**Table 1: Typical Properties¹**

Appearance	hazy, white to pale yellow liquid
Viscosity @ 25 °C (mPa · s)	350
Specific Gravity @ 25 °C	0.99
Flash Point (°C)	193
Pout Point (°C)	- 31
VOC (US EPA Method 24) ²	

- 1 These are typical properties only and do not represent sales or manufacturing specifications.
- 2 VOCs, as defined by the EPA in 40 CFR 51.100(s). TEGO® Antifoam 3045 was found to contribute no VOC under EPA Method 24 testing conditions when evaluated at 1.0 wt.% in a zero-VOC coating formulation.

Description

TEGO® Antifoam 3045 is a proprietary organic oil defoamer designed to control and typically eliminate foam, pinholes and entrapped air in water-based adhesives and paper coatings without generating surface defects. It does not contain added mineral oils, hazardous air pollutants (HAPs), or alkyl phenol ethoxylates (APEs).

Benefits

- Defoamer for a broad range of water-based applications
- Low viscosity, easy-to-handle liquid
- No added mineral oils, APEs, or HAPs
- Suitable for a broad range of applications requiring food contact compliances

Applications

- Lamination adhesives
- Adhesives
- Flexible food packaging adhesives
- Paper coatings
- Pressure sensitive adhesives

Recommended usage

Use between 0.2 and 1% of total formulation weight. Add slowly to formulation under moderate to high agitation. Mix thoroughly for 15– 20 minutes.

Food contact status**European Regulation 10/2011**

TEGO® Antifoam 3045 can be used in accordance with Regulation 10/2011/EU on plastic materials and articles intended to come into contact with food.

BfR Recommendations

TEGO® Antifoam 3045 may be used in compliance with the XXXVIth BfR Recommendation.

Swiss Ordinance SR 817.023.21

TEGO® Antifoam 3045 complies with the Swiss Ordinance SR 817.023.21 (contains substances from lists A and B)

FDA regulations

TEGO® Antifoam 3045 may be used in compliance with 21CFR175.105 and 21CFR176.210.

TEGO® Antifoam 3045 may be used in compliance with 21CFR175.125(b) up to a maximum use level of 0.5 % of TEGO® Antifoam 3045 in the pressure-sensitive adhesive formulation.

TEGO® Antifoam 3045 may be used in compliance with 21CFR175.300, 21CFR176.170, 21CFR176.180 and 21CFR176.200 up to a maximum application rate of 16.5 milligrams of TEGO® Antifoam 3045 per 1000 square inches food contact surface.

Registration status

The components of TEGO® Antifoam 3045 are listed in the following chemical inventories:

EINECS, TSCA, DSL, AICS, ENCS, PICCS, IECSC

Storage and handling

Keep containers tightly closed in a dry, cool, and well-ventilated place. Mix thoroughly before use. Product is freeze-thaw stable, but it may separate upon standing or freezing. Bring to 20 – 30 °C and mix thoroughly before use.

Shelf life

The shelf life for this product is 24 months from the date of manufacture.

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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