

## SAG™ TP-645 Silicone Antifoam

### Product Description

SAG TP-645 silicone antifoam is an excellent candidate to consider in controlling foam in refined products, such as diesel, mineral oils and compositions based on them. It is based on an organomodified silicone that combines good foam control and compatibility.

### Key Features and Typical Benefits

- Excellent foam control in refined grades
- Can deliver both low initial foam height and low defoaming times
- Robust performance over time and in the presence of water
- Excellent compatibility in various packages
- Can help boost the performance of the dehazer package

### Typical Physical Properties

Appearance	Clear, colorless to brown liquid
Physical Form	Liquid
Viscosity at 25°C, cSt	500
Density at 25 °C, g/cm <sup>3</sup>	0.998
Flash Point (Pensky-Martens Closed Cup), °C (°F)	66 (151)

Typical properties are average data and are not to be used as or to develop specifications.

### General Considerations for Use

SAG TP-645 silicone antifoam can be added directly to the additive package or if needed, use 2-ethyl hexanol as the compatibilising co-solvent. The dosage of SAG TP-645 silicone antifoam will depend on the package and the level of foam control required. Typically, dosage levels vary between 1 and 3% in the additive package.

### Performance in Various Fuels and Conditions

All measurements were carried out in Momentive's laboratories with a 1% solution of SAG TP-645 silicone antifoam in 2-ethyl hexanol.

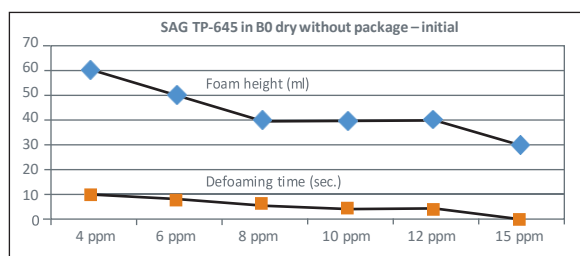
#### 1. Dehazing According to ASTM D 1094 - 85 in B0:

15 ml clear water: 220 sec.

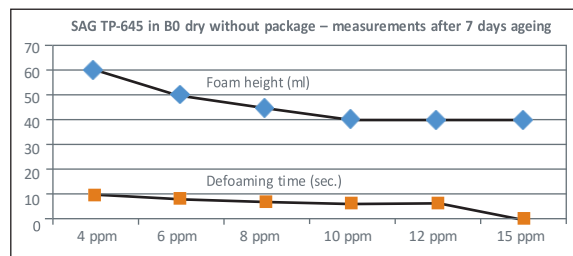
20 ml clear water: 325 sec.

#### 2. Defoaming Performance in B0 Dry. Measurements with a BnPe-rig - Test No.: VS002708

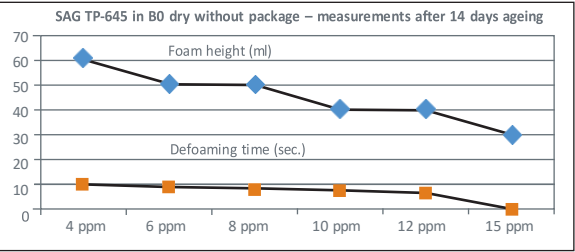
1.1: Initial measurements in B0, dry



2.2: 7 days ageing measurements in B0, dry

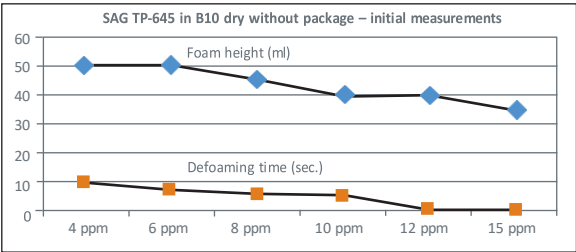


2.3: 14 days ageing measurements in B0, dry

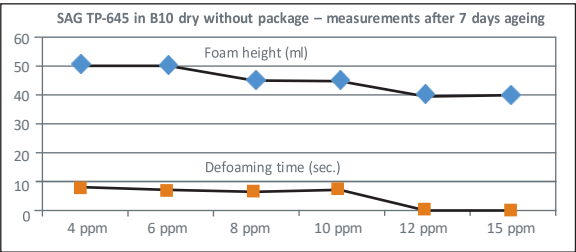


3. Defoaming Performance in B10 Dry. Measurements with a BnPe-rig - Test No.: VS002708

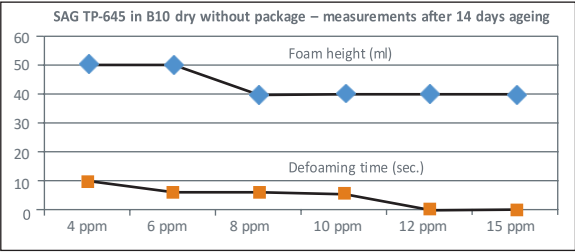
1.1: Initial measurements in B10, dry



3.2: 7 days ageing measurements in B10, dry

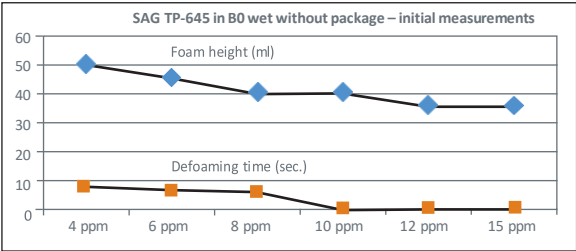


3.3: 14 days ageing measurements in B10, dry

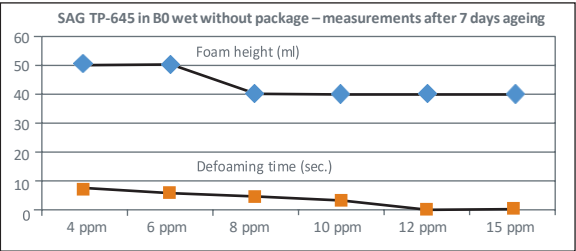


4. Defoaming Performance in B0 Wet (addition of 250 ppm distilled water). Measurements with a BnPe-rig – Test No.: VS002708

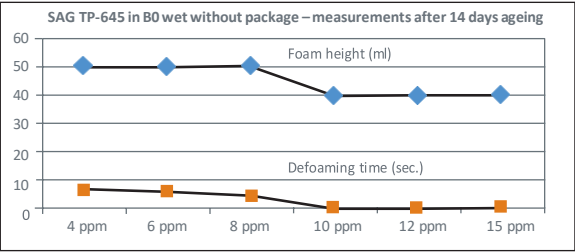
4.1: Initial measurements in B0, wet



4.2: 7 days ageing measurements in B0, wet

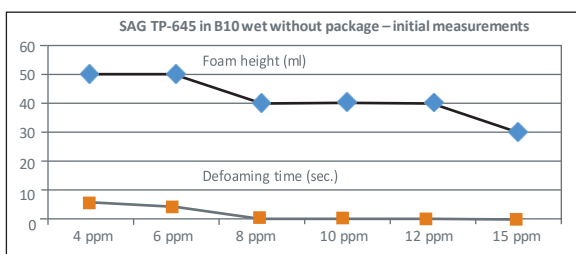


4.3: 14 days ageing measurements in B0, wet

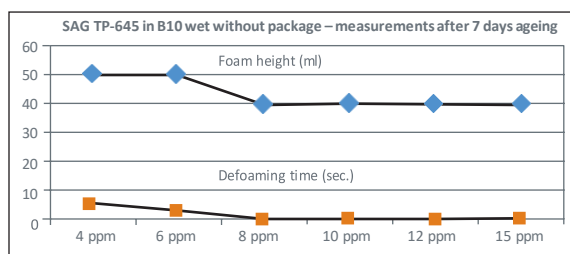


## 5. Defoaming Performance in B10 Wet (addition of 250 ppm distilled water). Measurements with a BnPe-rig - Test No.: VS002708

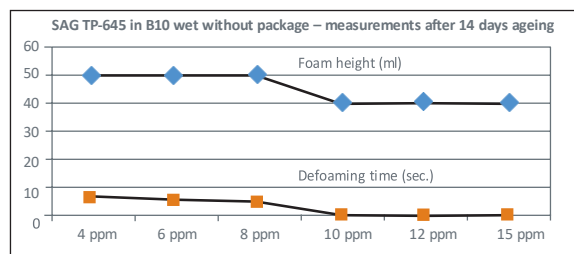
5.1: Initial measurements in B10, wet



5.2: 7 days ageing measurements in B10, wet



5.3: 14 days ageing measurements in B10, wet



Note: Test data. Actual results may vary.

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

## Customer Service Centers

For additional information, please contact our Customer Service Team

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