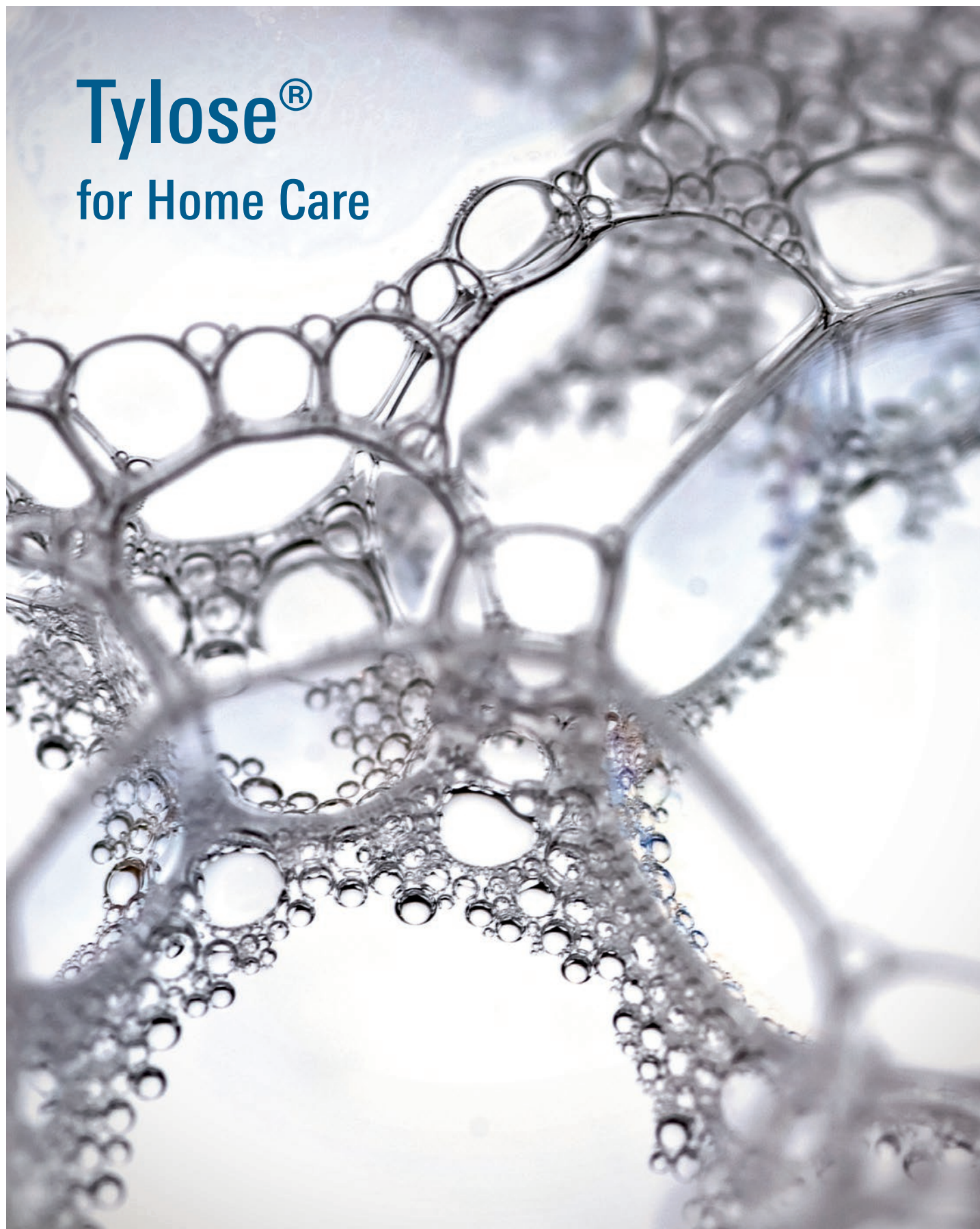


Tylose®

for Home Care



Tylose® for Home Care



Home Care products include all types of liquid products such as floor cleaners, detergents and dishwashing agents.

Viscous formulas or gel cleaners are particularly useful for cleaning vertical surfaces. Gel cleaners also tend to be chosen for applications where the agent will be left to work for an extended period of time. Tylose is ideal for thickening and adjusting the rheology of water-based, liquid cleaners with a pH between 4 - 11. The desired look and consistency for cleaning agents can be achieved using Tylose. Tylose can also be used as a thickener to adjust the rheology of liquid detergents, especially in products designed for delicate textiles.

Application Properties

In the field of Home Care the following properties of Tylose are particularly significant:

- ▶ Thickening/Adjustment of consistency
- ▶ Storage stability
- ▶ High compatibility with other raw materials such as surfactants

Tylose delayed solubility grades have important characteristics which make them appropriate as thickeners in cleaner formulations:

▶ Easy incorporation in the formulation

▶ Solutions of good clarity

▶ Good compatibility with ionic surfactants

▶ Good storage stability

Thickening / Adjustment of Consistency

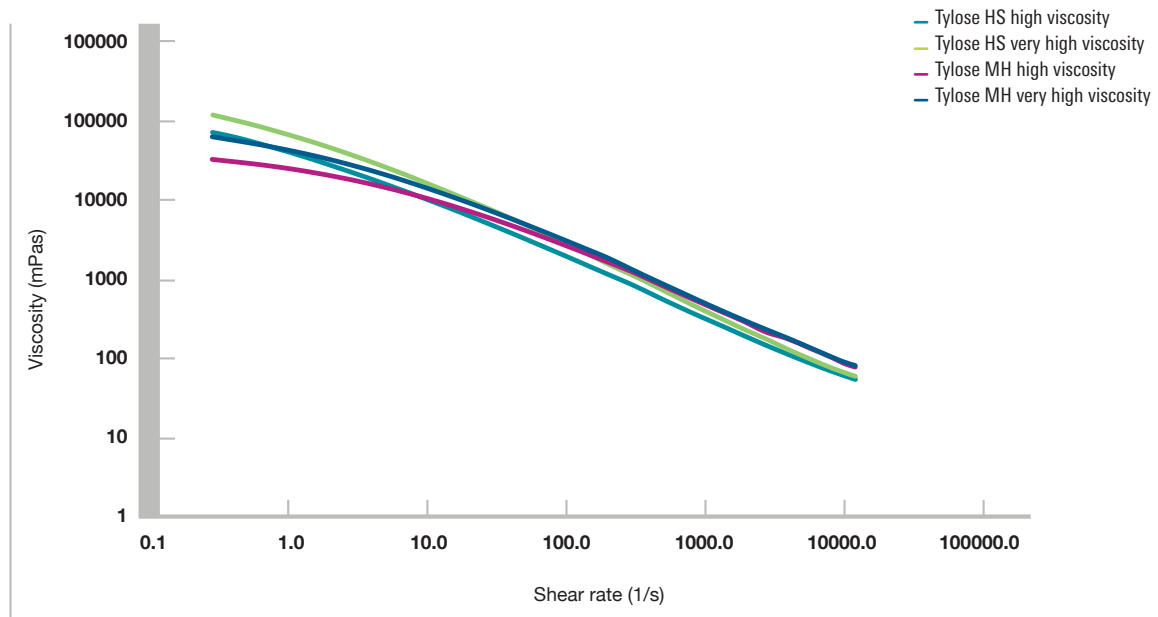
Tylose® can thicken and adjust the consistency of neutral cleaners, washing up liquids and liquid detergents.

With Tylose one can thicken and adjust the consistency of neutral cleaners, washing up liquids and liquid detergents. The thickening effect of Tylose grades is dependent on the degree of polymerisation (DP) or the molecular weight and the concentration used. When using the same concentration, the viscosity of the solution increases with an increased degree of polymerisation. Aqueous solutions of Tylose grades are shear thinning liquids.



The viscosity is decreased by an increase in shear stress, and returns to its initial viscosity when the shear stress is removed. High viscosity Tylose grades have a stronger shear thinning effect than those of low viscosity, which is shown in the diagram below. The rheological profile varies depending on the Tylose type used, e.g. Tylose HS or Tylose MH.

Viscosity curves



measured at 20 °C, water 20 °dH (German hardness), 1.9 % solutions

Recommended Tylose® Products

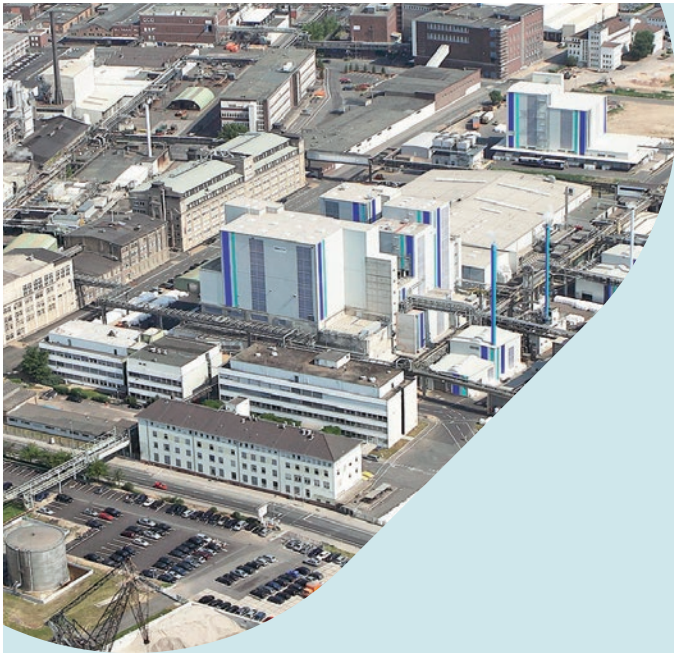
Tylose grades	Viscosity	Delayed solubility	Applications			
	Viscosity ca. (mPas)		Liquid Detergents	Neutral Cleaners	Toilet Cleaners / WC-Gels	Washing up Liquids
Standard Tylose H/HS/HX						
Tylose H 4000 NG4	4500 (2,0 %)* ¹		■			
Tylose H 10000 NG4	7000 (2,0 %)* ¹		■			
Tylose HS 6000 YP2	5200 (2,0 %)* ¹	●	■		■	
Tylose HS 30000 YP2	2000 (1,0 %)* ¹	●		■	■	
Tylose HS 60000 YP2	3000 (1,0 %)* ¹	●		■		
Tylose HS 100000 YP2	4500 (1,0 %)* ¹			■		■
Tylose HX 6000 YG4 Plus	4500 (1,0 %)* ¹				■	■
Standard Tylose MH/MHS/MO						
Tylose MH 4000 KG4	4500 (1,9 %)* ²	●	■			
Tylose MH 10000 KG4	10000 (1,9 %)* ²	●			■	
Tylose MH 30000 YG8	23500 (1,9 %)* ²	●		■	■	■
Tylose MHS 60000 YP4	31000 (1,9 %)* ²	●		■		
Tylose MOBS 4070 P4	4750 (2,0 %)* ³			■		■

■ recommended

*¹ Brookfield LV, 25 °C, deionised water

*² Brookfield RV, 20 °C, water 20 °dH (German hardness)

*³ Brookfield LV, 20 °C, deionised water



Company Address

SE Tylose GmbH & Co. KG
Industriepark Kalle-Albert
Kasteler Straße 45
65203 Wiesbaden
Germany

Phone +49 611 962 - 04
Internet www.SETylose.com



Product Safety

E-Mail Product.Safety@SETylose.com

Technical Sales Support

E-Mail info@SETylose.com

About us

SE Tylose GmbH & Co. KG is one of the major manufacturers of cellulose ethers world-wide, supplied under the brand name Tylose®. Tylose is used in a wide variety of products and applications.

Applications

- ▶ Building Materials
- ▶ Paints
- ▶ Ceramics
- ▶ Polymerisation
- ▶ Personal Care
- ▶ **Home Care**
- ▶ Oilfield
- ▶ Others

This information is based on our present state of knowledge and is intended to provide general notes about our products and their use only. It should not therefore be construed as guaranteeing the consistence or permanency of the products or specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.

® = Registered Trademark

Edition 08/2026