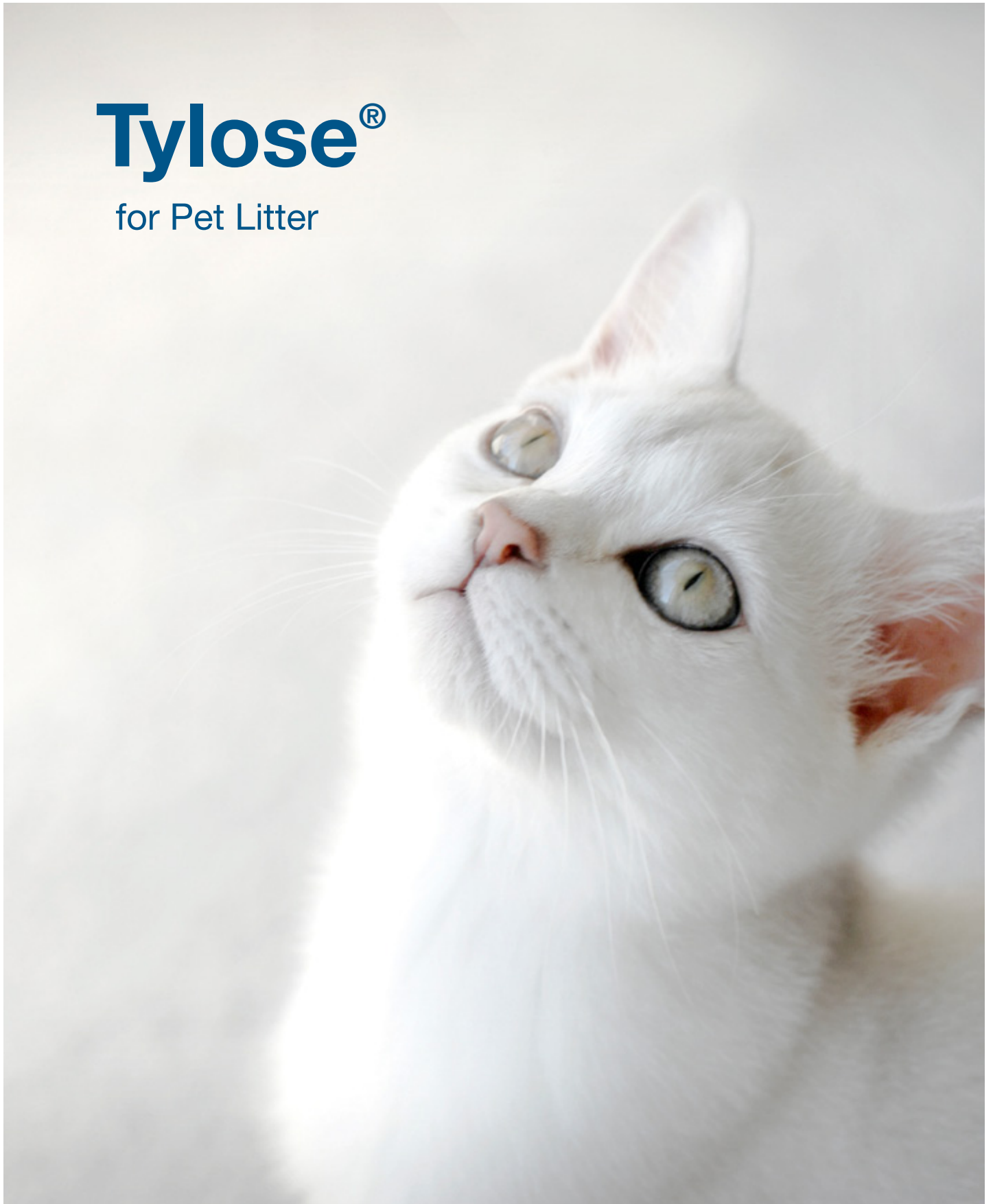


Tylose[®]

for Pet Litter



Tylose® for Pet Litter



Eco-friendly pet litters are becoming increasingly popular. They have advantages over conventional mineral based materials where ecological and health aspects are concerned.

Produced from minerals and often transported over long distances, mineral based pet litters are ecologically disadvantageous. Moreover they are not biodegradable and not flushable. Mineral based pet litters can produce silica dust, which is suspected to cause health problems in pets, particularly if they have long-term exposure to it or have respiratory issues.

Alternative eco-friendly base materials are available. Typical examples are granulated wood powder and agricultural refuse such as wheat husks and corncobs. An important requirement of pet litter is its ability to form clumps. Eco-friendly material usually does not have this property or its clumping ability varies according to the quality of the material. Reliable binding additives are therefore needed to improve the clumping properties of the base material. High viscosity grades of Tylose MH and Tylose MHS can successfully achieve this.

Application Properties

SE Tylose offers MH and MHS grades as fine powders, which guarantee good distribution in the base material. Significant properties of Tylose are:

- **Good binding**
- **High salt tolerance**
- **Eco-friendly and biodegradability**

The characteristics of Tylose MH and MHS grades make them appropriate as clumping additives in pet litter. The resulting pet litter is improved as follows:

- Fast clump formation
- High clump stability
- Enhanced absorption capacity

Tylose® can be either pressed into the base material or it can be applied to the finished granules. In the first case, the base material is usually wood powder and the pellets — including Tylose — are produced via extrusion. Tylose is typically added in a dosage of 6 – 7 % w/w.

In the latter case, when Tylose is added to finished granules, these should be wetted prior to the application of Tylose. This enhances the amount of absorption on the surface. Typical dosage of Tylose is 4 – 5 % w/w.

Guide formulation of Tylose applied to finished granules:

	% w/w
Granules (natural, organic origin)	86
Glycerol	10
Tylose	4



Wood-based pellets with Tylose MH 60000 P6 as clumping additive.

Recommended Tylose Products

Tylose Grades	Viscosity Range [mPas]*	Form Supplied
Tylose MH 60000 P6	28000 – 34000 (1.9 %)	Ultra fine powder
Tylose MHS 150000 P4	5600 – 8000 (1.0 %)	Fine powder

* Brookfield RV, absolutely dry, 20 °C, 20 °GH

Further products are available



Company Address

SE Tylose GmbH & Co. KG
Industriepark Kalle-Albert
Rheingaustraße 190 - 196
65203 Wiesbaden
Germany

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



Product Safety

E-Mail Product.Safety@SETylose.com

Customer Service

Reiner Posprich
Phone +49 611 962 - 6325
Fax +49 611 962 - 9042
E-Mail Reiner.Posprich@SETylose.com

Technical Sales Support

Phone +49 611 962 - 8571
Fax +49 611 962 - 9267
E-Mail info@SETylose.com

About us

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

Applications	
	Construction
	Paint
	Oilfield
	Personal Care
	Home Care
	Emulsion Polymerisation
	Suspension Polymerisation
	Ceramics
	Pet Litter
	Organo Soluble Applications
	Others

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