

Textan 1

>>> Tannic Acid Textan 1 Product data-sheet

Textan 1 is a blended high molecular weight hydrolysable tannin specially purified for textile applications. This high purity grade is especially used in the carpet industry for back tanning applications such as anti-staining or chlorine fastness improvement.

Textan 1 is a 100 % natural material extracted from renewable plant materials using strictly controlled production facilities.

>>> PROPERTIES^(*)

▪ Delivery form:	light yellow granular powder, free of visible impurities
▪ Purity (on dry material):	min. 95 %
▪ Moisture:	max. 9.0 %
▪ Density:	0.30 – 0.45 g/cm ³
▪ Colour Gardner (1:10; alcohol):	max. 6
▪ Solubility in H ₂ O:	clear
▪ pH (1 % in water):	3 - 4
▪ Staining test:	pass

^(*) Only selected data is represented here, for a full set of specifications we refer to our **Specifications** sheet.

>>> USAGE

To prevent local over-dosage Textan 1 is best added to the treatment vessel as a 5-10 % solution. Due to its granular form Textan 1 easily dissolves in cold water or even better in hot water (e.g. 60°C). Solutions up to 50 % weight/volume can be prepared.

As tannic acid concentration increases shelf life of these solutions also improves: 1 % (w/v) solution should be used within the same day, 5-10 % solution can be stored for 1 week at room temperature, and 30 % solutions can be used for several months, assuming no micro-biological contamination has occurred.

Maximum Textan 1 uptake on Polyamide 6.6 is achieved at pH = 3-3.5. pH can be adjusted with acetic acid; if water with high levels of alkaline is used formic acid is sometimes required. Textan 1 should not be used in alkaline conditions.

High concentrations of dissolved iron or copper will cause the formations of dark coloured tannic acid-metal complexes, and should therefore be avoided.

Typical dosage levels are 1-3 % omf. Depending on the application Textan 1 can be used as such - i.e. anti-staining applications and chlorine protection – or in a full backtan system in combination with complexing agents to improve wash fastness.

For detailed information on these applications we refer to our Guidance Recipes and the Application Fact Sheets.

>>> STORAGE AND HANDLING

Textan 1 does not require special storage conditions and has a shelf life of min. 5 years if stored in a dry area in its original closed packaging. The product is not frost sensitive and normal ambient storage temperatures (i.e. 5-25°C) suffice.

Prolonged exposure of Textan 1 to light can cause a gradual yellowing of the product. This colour shift has no influence on the technical performance of the product unless colour is a critical parameter in the final application. Storage of Textan 1 open to the atmosphere can result in moisture uptake from the surroundings. Therefore reseal the inner plastic bag and keep the lid on the fibre drum if Textan 1 is not in use.

Due to its granular form Textan 1 produces little or no dust during handling.

>>> PACKAGING

Textan 1 is available as a spray-dried granular product in 25 kg fibre drums lined with an inner Polyethylene bag.

>>> FURTHER INFORMATION

Further safety information is provided in our **Material Safety Data Sheet**.

Upon simple request a controlled copy of our **Specifications** can be provided by our QC-department.

Information on usage and applications can be found in our **Application Fact Sheets**. Our R&D department can provide you further detailed information on composition and regulatory status.

Deliveries are accompanied by a **Certificate of Analysis**.

CAS Nr.:	1401-55-4
EINECS/ELINCS:	215-753-2

The information provided in this product data sheet is based on the present state of our knowledge. Some of the applications mentioned in this document are protected by patent law. Ajinomoto OmniChem nv/sa cannot be held responsible for patent law infringements and the customer should contact the patent holder if so required. Due to the many process parameters involved we are not able to submit a general recommendation. It only shows without liability on our part the uses to which our products can be put. However, Ajinomoto OmniChem nv/sa cannot be held responsible for the consequences of the application of the above described product.