

SAFE[®] hydro

Instant fiber compound for the production of water gel

- Water gel – safe method for hydration
- Moistened food – individual mix of diets and water in a gel
- Application of drugs – individual dosing of drugs in gel

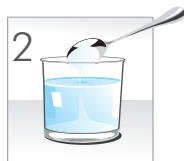


Heat it.



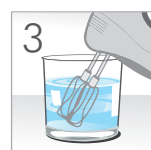
Water

Add it.

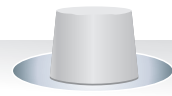


+ SAFE[®] hydro

Mix it.



Ready!



SAFE® hydro

Instant Fiber Compound for the Production of Water Gel





The innovative solution for a multitude of application possibilities for supplying water, food and drugs to animals! Produce your own water gel anywhere in a do-it-yourself and just-in-time fashion to suit your individual requirements.

Properties

- **Cost-saving do-it-yourself-system**
- **Free from animal components**
- Simple handling and quick preparation
- Thermoreversible and autoclavable
- Customized production
- Broad application range
- Excellent cost-performance ratio
- Cost reduction and environmental friendly: less packaging, no expensive water transport
- Certified quality and safety



Three steps to prepare your water gel

<p>Heat it.</p>  <p>Water</p>	<p>Boil up water and let it cool to approx. 70 - 80 °C. Check the temperature using a thermometer.</p> <p>Important: without properly heating the mixture, a solid gel-structure will not form!</p>
<p>Add it.</p>  <p>+ SAFE® hydro</p>	<p>Gradually add 1.5 % - 3.0 % (dependent on the desired gel firmness) of SAFE® hydro to the water.</p> <p>Example: For a 1.5 % suspension please use 15 g SAFE® hydro per liter of water.</p>
<p>Mix it.</p> 	<p>Stir briskly in order to avoid clumping. Fill the homogenous suspension in dedicated containers. Cool down at room temperature.</p> <p>Ready! </p>

Instructions for use

Recommended usage of the ready-to-use water gel is max. 2-3 days at ambient conditions (~ 24 °C) and max. 4-5 days when cooled in a refrigerator (~ 8 °C). Stability may individually be prolonged by means of acidification.

Individual dosing of drugs or feed components (optional)

In case of adding substances please let the suspension cool to approx. 45 °C while stirring occasionally, then mix in additional components.

Autoclaving: In case of autoclaving, a minimum dosage of 3.0 % SAFE® hydro is required. A lower dosage of SAFE® hydro may lead to weakened gel texture.

- **autoclave with support pressure** (as used e.g. for water bottles) in loose closed containers, e.g. thick-walled laboratory glass bottles with screw cap. CAUTION: A cooling time as short as possible, e.g. 30 minutes is compulsory.
- **autoclave without support pressure** with a short cooling time (as used e.g. for diets) in hermetically closed and pressure resistant containers.

The gel is thermoreversible, meaning that it can be liquefied when heating in a water bath and hardened again when cooling under ambient conditions. Please note that gel texture will be weakened when melting and solidifying, respectively, for repeated times.

Ingredients

Hydrocolloids and functional JRS-fibers free from animal components, free from preservatives.

500 g ≈ up to 33 L water gel

