

Description

The filter material Spilltex® (hereinafter – Spilltex®) is a natural cotton cloth modified with a microgel solution of natural polysaccharides Biomicrogels®.

Technical specifications

Composition	>99% cotton, <1%microgels of polysaccharides Biomicrogels®
Surface density	170 – 260 g/m ²
Color	White, blue, light green
Cloth properties	According to GOST 29298-2005

The provided information describes the typical properties of the product and should not be considered as a specification.

Application areas

Spilltex® is used for:

- Collecting petroleum products (hereinafter PP) and oils from the water surface;
- Separation of water and non-emulsified PP and oils;
- Concentration of PP and oils in water objects, settling tanks, grease and oil traps.

Operational advantages

- Separation of a mixture of PP and water in the flow
- PP and oils do not stick and are easily removed from the material surface
- The capability to regenerate the material for reuse.
- Environmentally safe
- The opportunity of a complex use of Spilltex® and the sorbent Biomicrogels® BMG-P1 to achieve complete purification of the water surface from grease and oil contaminations, including thin iridescent films
- The use of Spilltex® when concentrating PP and oils in streams, sumps, grease and oil traps increases the efficiency of traditional methods of collecting PP and oils from the water surface (for example, skimmers)
- The opportunity of forming products of various geometric shapes to perform a particular task

Preparation and application

- The Spilltex® should be soaked in pure water for 3 minutes before use
- The Spilltex® is used only in wet form
- PP and oils are not allowed to contact the material before soaking
- Water with a large amount of mechanical impurities is not recommended for soaking
- The material must remain wet during operation
- The Biomicrogel Group is ready to provide recommendations on the necessary preparation of the material for use

Recommendations for use

- To collect PP and oils from the water surface, Spilltex® is used as a scoop-net for collection of petroleum products
- Spilltex® does not separate emulsified PP and oils from water
- Spilltex® can be used to separate water and PP (oils) in plants for separation of PP (oils)/water mixtures
- The water content in a water/PP (oil) mixture should not exceed 50%
- To prevent clogging of the material, preliminary purification of a water/PP (oil) mixture from mechanical impurities must be performed
- The filtration rate should not exceed 3 m/h
- Do not use flows with high liquid pressure (more than 6 atm). Otherwise, the leakage of PP and oils through the material is possible

Storage

Spilltex® must be stored in a cool, dry place. Keep the material away from moisture.

All protective packaging should be retained before use. The recommended shelf life is 2 years as from the date of production.

Safety and technical documentation information

The product is manufactured in accordance with GOST 29298-2005 “Cotton and mixed household fabrics. General technical conditions”.

– Biomicrogel® BMG-P1 Sorbent: State registration certificate №RU.66.01.40.008.E.000166.08.18 dated 23.07.2018

Material Safety Data Sheets (MSDS)
RPB №20629059.20.53153 dated 03.09.2018

TU 20.59.59-007-20629059-2018 “Sorbent Biomicrogel® sorbent. Technical specifications”.

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