

GOLDFLAM SU

Agent flame retardant no solid the wash for the tissue for mattress ticking and other textile applications.

Fields of Application:

- Goldflam SU is a flame retardant product specific for natural fibers and their blends, synthetic fabrics and knits.
- The flame retardant effects are not permanent, in fact with subsequent washings the products are removed from the textiles.

Features and Benefits:

- Easy preparation of the bath.
- No singeing later on.
- This product complies with the parameters required by the OEKO-TEX® certification.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Physicochemical parameters:

Aspect	Colorless liquid.
Chemical Nature	Organic-inorganic nitrogen-phosphorous based.
Character Ionic	Nonionic.
pH (Such as)	6.0 – 8.0
Solubility (sol. 10% w/w)	Soluble at 25°C, under stirring.
Density (g/cm³, 25 °C)	1.260
Compatibility	Goldflam SU is compatible with most chemicals used in finishing. But it is recommended prior to test.

Application:

Goldflam SU is liquid and completely water soluble. It is most frequently applied on fabrics by padding at room temperature and drying at 120 – 130°C (250°F).

The customer should determine the minimum add on level before application, to minimize problems of hygroscopicity, handle on the treated fabrics and to obtain good flame retardant results.

Goldflam SU treated substrates may exhibit hygroscopic behaviour. When applied on 100 % synthetic substrates and under high humidity conditions this may affect the handle of the fabric.

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Dosage:

A general start recipe of 5 – 10 % dry weight on the fabric is in general sufficient to obtain a good flame retardant effect. Standard to be obtained is e.g. EN 597-1/2 for mattress ticking.

Recommendation of revenues:

Finishing retardant the flames for synthetic articles on fabric of 300 g/m²

150 – 300 g/l GOLDFLAM SU

Process

- Prepare a bath with the ideal concentration of Goldflam SU to use.
- pH as is (no need for pH correction).
- Apply cold in a continuous process with a pick-up between 60 – 70%, ensuring complete penetration and distribution of the bath in the treated article.
- Dry raw between 120 – 130 ° C.

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and applications processes, the information provided with fidelity should be understood as a guidance tool, therefore we cannot be responsible for any damages resulting from an inappropriate use. The data contained in this technical informative are based on current knowledge and applications of our products performed. Additional information can be obtained from our technical department. Review: 01/26/2018.