

ITOFLAM MSG+ is a pad applicable flame retardant for wool, wool/nylon, cotton, regenerated cellulose and jute.

PROPERTIES

- **Appearance** : Clear liquid
- **Main Constituent** : Organic phosphorous nitrogen compound
- **Solubility** : Soluble in all proportions
- **Ionic Nature** : Nonionic
- **pH** : 6 - 7
- **Solids Content** : 42-46%
- **Stability** : 12 month shelf life if stored between 5°C and 40°C

APPLICATION

In Padding (Wool, Wool/Nylon):

- **ITOFLAM MSG+** : 200 - 400 g/l
- **Wetting agent** : As required
- **Pickup** : 70 - 80% recommended
- **Drying (retains 10-15% moisture)** : 110 - 140°C for 2 min.

In Padding (Cotton):

- **ITOFLAM MSG+** : 200 - 600g/l
- **Wetting agent** : As required
- **Pickup** : 70 - 80% recommended
- **Drying (retains 10-15% moisture)** : 110 - 140°C for 2 min.

In Foaming:

- **ITOFLAM MSG+** : 200 - 400g/l
- **Foaming agent** : 20 - 40g/l
- **Cellulose thickener** : 5 - 10g/l
- **Foam stabilizer** : 2 g/l.
- **Pickup** : 70 - 80% recommended
- **Drying (retains 10-15% moisture)** : 110 - 140°C for 2 min.

N.B. A dry loading 8 - 15% on the fabric will give good flame retardant properties

CHARACTERISTICS

1. Halogen free
2. Imparts a soft handle
3. Low hygroscopic behaviour
4. Causes little or no shade change
5. Good thermal stability and can therefore be dried at a higher temperature
6. Can be combined with most synthetic resins or binders.
7. Compliant to following standards: BS597 0 & 1: BS5438: BS 7177: MVSS 302: NFPA 701

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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