



Flamebloc® GS 100

- Carbon char forms between fire and fabric
- Reduces the effect of the fire, heat, and smoke
- Treatment can be dipped or sprayed onto fabric
- Contains no petroleum derivatives
- No halogen required
- GRAS chemistries
- Easily removed with warm soapy water

Flamebloc GS 100 is a concentrated flame retardant that can be diluted with water for use on both natural and synthetic fabric such as cotton, hemp, burlap, rayon, polyester, etc. Dilution with water should be done to determine the most effective concentration required to pass flame retardant protocol. Flamebloc GS 100 is a proprietary aqueous solution containing a polymeric aminopolyphosphate that contains no polybrominated diphenyl ethers in its composition.

Upon exposure to heat and flame, a char forms on the surface of the fabric, which acts as a deterrent to fire, heat, and smoke. The proprietary active ingredients of this product contribute to flame resistance by melting below flaming temperatures and resolidifying in the form of a carbon (char) that acts as a barrier between the fabric and the flame. As a result, Flamebloc GS 100 will decrease smoke evolution. In addition, it will provide resistance to flameless combustion, referred to as afterglow.

Application

Flamebloc GS 100 is highly penetrating and can be applied during various stages of fabric manufacturing. This product is

water-based, is non-volatile, contains no VOC or petroleum derivatives, and is non-flammable and noncombustible. Applied on fabric, it is highly versatile. Fabric can be sprayed or dipped in solutions of Flamebloc GS 100.

Flamebloc GS 100 can be added to natural and synthetic fabrics during any stage of the manufacturing process as long as there is no water rinsing or aqueous cleaning of the fabric after it has been treated. Treatment of the fabric by Flamebloc GS 100 is not permanent because treatment does not provide a chemical bond. Flamebloc GS 100 will need to be re-applied after any machine washing or water rinsing, however Flamebloc GS 100 will pass 3 dry-cleaning cycles.

Packaging and handling

Flamebloc GS 100 is a liquid available in drums, intermediate bulk containers, and in bulk.

Refer to the Material Safety Data Sheet for suitable materials of construction for handling and storing this product.

Improper handling of this product can result in injury. Observe all precautions shown on the Product Label and in the Material Safety Data Sheet.

Typical product characteristics	
Total solids	31 – 34%
Appearance	water clear
Density at 25°C (77°F)	1.19 – 1.23 g/cm ³
Weight per US gallon	9.9 – 10.2 lbs
pH (Neat)	5.5 – 6.5
Coverage	300 ft ² /gal after dilution

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.

B270W (08/10)