



FIRE RETARDANT  
**LEATHER  
SEAL R™**

**PRODUCT DATA SHEET**

Leather Seal R™ is an application ready, water based, salt free, fire retardant designed for treatment of leather and leather products. Leather Seal R™ is mix of proprietary ingredients, which forms a slight intumescent foam layer and carbon char when the treated leather is exposed to fire. Once the intumescent layer and carbon char are formed there will be minimal flame propagation, smoke evolution or afterglow.

**TYPICAL ANALYSIS**

Total Solids **44 - 48%**

Weight per Gallon **10.0 - 10.6 lbs**

Specific Gravity **1.20 - 1.28**

ph **4.5 - 5.5**

Product contains no PBDE's [Polybrominated Diphenyl Ethers].

**APPLICATION**

Leather Seal R™ is a retan fire retardant product that can be added to many phases of the retan. Once the leather is properly treated it will meet FAR 25.853A requirements for a 12 or 60 second vertical burn.

In the retan Leather Seal R™ can be added at several stages of the process including after fat liquoring, dyeing or at the end of the retannage. The dosage of Leather Seal R™ varies based on the type of leather being process and the testing requirements. However, initial offer should be undertaken at 40%. After the retan, the leather should be processed according to internal specifications. Leather Seal R™ requires no special processing or handling. Details of this application can be furnished upon request.

**PACKAGING & HANDLING**

Leather Seal R™ is a liquid available in various packaging sizes from 1 gallon to bulk containers.

Refer to SDS for proper handling.

**STORAGE  
CONDITIONS**

- Temperature Range: 40 - 90 °F
- **One year shelf life from manufacture date.**

**WARRANTIES**

Products are guaranteed to perform their fire retardant function as represented by third party tests, if applied according to manufacturer's published instructions. Products may not be diluted or altered prior to use.

\*There are no other warranties either expressed or implied since Flame Seal Products cannot control the actual application of the products. Users must determine usability and suitability for their particular requirements, as well as compatibility with the exact materials to be treated or coated.

**FLAME SEAL PRODUCTS, INC.**

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