



Desert Research Institute, Inc.

DRI-ONE Flame Retardant

Ready to Use Flame Retardant for Fabric, Wood, Thatch & More
Made in the USA Since 1958



FAQ

Find quick answers to your questions below...

- **What is flame retardant?** A chemical product used to treat items in order to prevent combustion and flame support during a fire.
- **How do I use DRI-ONE?** The item to be treated can be sprayed, rolled, brushed, painted or dipped in DRI-ONE.
- **What is the coverage?** Rule of thumb is 4.5 SQ. meters per liter for wood and forest products; 3.5 SQ. meters per liter for fabrics.
- **Is DRI-ONE harmful to people or pets?** No.
- **Is DRI-ONE harmful to plants?** Yes, it could cause some burning on living plants, any over-spray should be rinsed off with clear water.
- **Is DRI-ONE harmful to the environment?** No, DRI-ONE is non-toxic and non-hazardous.
- **Will it stain or cause discoloration (salt rings)?** No, however if color runs when exposed to water, it will do the same with DRI-ONE.
- **Will DRI-ONE wash out?** Yes.
- **How about dry cleaning?** You can dry clean up to 4 times before it becomes necessary to retreat. Testing is recommended.

DRI-ONE® meets the NFPA 701 and the California Administrative Code, Title 19 for fabric.

DRI-ONE® meets A.S.T.M. E-84 Flame Spread Test Class "A" for wood, also known as the Steiner Tunnel Test. This method is similar to ANSI 2.5, NFPA No. 225, UBC No. 42-1 and UL No. 723.

The tests are recognized by Fire Marshals and building officials in major metropolitan areas throughout the United States and many other countries.



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- **Can I dry a treated cloth in the clothes dryer?** Yes, remove the item when dry and wipe over the drum with a damp cloth.
- **Will DRI-ONE work on paper and cardboard?** Yes, it will be necessary to use a very fine spray and probably make two applications, letting the item dry between treatments.
- **Is DRI-ONE corrosive to metal? DRI-ONE is Non-Corrosive to metals when dry.** DRI-ONE is mildly corrosive when applied wet to metals. Wash any metal surfaces exposed to DRI-ONE with a damp cloth or rinse with clean water.
- **What is the drying time for items treated with DRI-ONE?** DRI-ONE is just a little heavier than water, gauge your drying time accordingly. Weather conditions (rain and humidity) should also be taken into consideration.
- **Can I iron fabric treated with DRI-ONE?** Yes
- **Does it smell?** Only slightly until dry.
- **Can I tell if something has been treated?** Only by performing a flame test.
- **What do I do if fabric becomes stiff after treatment?** If some stiffness is undesirable, lightly brush the fabric.
- **Will DRI-ONE work on a shake roof which was treated with linseed oil 5 years ago?** Yes, the previous treatment will have leached out enough for the shakes to accept DRI-ONE. Will DRI-ONE leach out of a shake roof? Yes, the shakes should be tested and probably re-treated after 5 years.

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- **When will I know to re-treat with DRI-ONE?** The item should undergo a burn test.
- **Can I use DRI-ONE on painted or stained surfaces?** No, DRI-ONE must be able to penetrate into the item in order to be effective.
- **Can I paint or stain items that have already been treated with DRI-ONE?** Yes, just make sure the DRI-ONE is completely dry before applying a finish.
- **Will DRI-ONE raise the grain on wood?** Yes, on some types of wood, a fine sanding will correct the situation.
- **How long does DRI-ONE last on fabric and wood?** It varies. If the item is exposed to the elements, testing should be performed from time to time. If the item is in a protected area the DRI-ONE could last indefinitely.
- **Do I need to treat both sides?** Yes
- **Can I use DRI-ONE with stain or water repellents?** Yes. Treat with DRI-ONE first, let dry thoroughly, then apply the stain or other finishes.
- **Will DRI-ONE work on synthetics?** The DRI-ONE should be applied twice, allowing fabric to dry between applications. Brushing DRI-ONE into the synthetic seems to help. Each different type of synthetic should then be tested to determine whether or not it is flame retardant.

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- **Will DRI-ONE work on racing uniforms?** It will depend on the type of fabric. When in doubt, treat and test the fabric. Also, remember, DRI-ONE will wash out and need to be reapplied.
- **Will DRI-ONE provide a class A or B rating?** Class A on fabric and class A on wood.
- **Is DRI-ONE FAA, UL, or ICBO approved?** No, it has been tested using the ASTM-E84-81A flame spread test.
- **Is DRI-ONE colorfast?** Yes, however each fabric should be tested for it's own color fastness.
- **Will DRI-ONE work on Christmas trees or greenery?** No, it is too high in nitrogen and will cause needle drop and burning on greenery.
- **Will DRI-ONE give the same rating on all types of wood?** DRI-ONE will always give a "A" rating. The rating can improve on some woods which are different from the test standard, Douglas Fir.
- **Will DRI-ONE work on foam rubber and Styrofoam?** On a very limited basis.
- **Can I drink DRI-ONE?** It won't hurt you; however it won't taste very good. If a child or a pet accidentally swallows DRI-ONE, just have them drink 8 to 10 ounces of water.

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