



Flexistat™ WR-152

Wrinkle releasing fabric conditioner

Overview

- Aqueous cationic formulation that relaxes fibers, allowing for wrinkles to be readily smoothed away
- Very low odor
- Safe on virtually all fabrics, including most Dry Clean Only fabrics
- Leaves fabric with a soft hand, contains no silicones
- Use before or after drying, or for hang-dry fabrics
- Ideal for heat-sensitive fabrics where cool ironing is recommended
- Restores the drape of fabrics after folding and storage
- Mixes readily in water
- Versatile product meeting a range of performance needs from Household to Institutional and Industrial applications
- Imparts antistatic properties
- WERCS ID number: WPS1168501
- WERCS Validation number: 1168501

Applications

- Wrinkle remover for Home or Travel
- Ironing aid
- Antistatic spray
- Fabric softener
- Dryer pre-spray
- Institutional laundry

Technical Information

Flexistat WR-152 is a water-based fabric treatment that is effective in reducing wrinkles in most fabrics. This pH neutral, color safe treatment can be sprayed on casual clothes for hang drying to reduce wrinkles, or can be applied during ironing to give clothing a pressed appearance without being stiffened by starch.

Please note that because it is water-based, water sensitive fabrics (such as silk or rayon) should be tested first in an inconspicuous area.

In hang dry applications, simply hold the fabric no more than a foot from the spray applicator, and apply lightly with a sweeping motion to the wrinkled area. Use more spray for heavy fabrics or severe wrinkling. For severe wrinkling, some smoothing of the fabric by hand or with a cold iron will remove wrinkles faster and more effectively. Fabrics which have been dried and show wrinkling can be treated and dried at low heat to remove wrinkles quickly and completely.

To reduce wrinkling on fabrics in the drying cycle, spray fabrics as they are transferred from the washer to the dryer.

Typical Properties

| PROPERTY | VALUE |
|------------------|--|
| Appearance | Clear to moderately hazy, pale yellow liquid |
| Odor | Mild |
| Ionic character | Cationic |
| Water solubility | Soluble |
| pH (as is) | 5-6 |
| Density@25°C | 0.98±0.02 |
| Boiling Point | Approx. 100°C |
| Flash point | None (aqueous) |
| Storage | Freeze/thaw stable |
| Shelf life | 12 months |

Packaging and Handling

Flexistat WR-152 is available in:
275 gallon totes (Net Wt. 2205 lbs)
55 gallon plastic drums (Net Wt. 441 lbs)
5 gallon pails (Net Wt. 40 lbs).

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product.

DOT Classification: Non-Regulated

Whether you're looking for a replacement product, or an ingredient for a specific attribute, give us a call. We can provide assistance based upon your particular formulation requirements and composition; please feel free to contact us.

Please refer to back page for important information

Flexistat WR-152: Wrinkle reducing fabric conditioner

Product use suggestions

The Flexistat WR-152 formula relaxes fibers to help release wrinkles. Simply apply as a convenient spray to remove fabric wrinkles in seconds, and add a fragrance as a fabric freshener.

Spray Flexistat WR-152 solutions on wrinkled garments or fabrics in a sweeping motion until lightly damp, but not wet. Help release wrinkles by firmly tugging the fabric or garment horizontally and vertically, then smooth with your hands. Most shirts, dresses and pants are best treated when hanging. Stretchy fabrics (like sweaters), and small items (like children's clothes), may be treated on a flat surface.

For dry-clean-only fabrics, test on a hidden area of the fabric or garment before using.

Performance demonstration

In the example below, lightweight cotton twill was uniformly wrinkled. A 2% dilution of Flexistat WR-152 was applied as a light spray to the right half of the fabric, then smoothed with a few hand strokes and allowed to air dry for fifteen minutes.



Formulary

Flexistat WR-152 comes as a concentrate. Dilute to 2% in water for use. If fragrance is desired, add the fragrance to WR-152 concentrate prior to diluting.

Flexistat WR-152 is stable as supplied. If diluted versions are prepared, long-term storage of these may require addition of a suitable preservative.

The following example formulation illustrates the flexibility of Flexistat WR-152:

| Wrinkle Releaser spray | |
|------------------------|--------|
| Ingredient | Wt. % |
| Water | to 100 |
| Flexistat WR-152 | 2.0 |
| Fragrance | q.s. |
| Dye | q.s. |
| Preservative | q.s. |

Ready-to-use spray

When including a fragrance, pre-blend the fragrance into the WR-152 concentrate prior to diluting.

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. ID# 20200218