



HARKE
Home
&
PersonalCare

July 2022



HomeCare

Newsletter HomeCare 4/2022

Flexistat WR-152: Wrinkle reducing fabric conditioner

Anti-Crease Laundry Spray is a great helper in the field of laundry care, reduces wrinkles and smoothes the textiles without ironing. A great innovation for home and an indispensable problem solver for on the road, on vacation or at work.

Flexistat WR-152 as an active ingredient for refreshing laundry spray flattens unsightly and annoying creases and wrinkles just by spraying it diluted onto the textile. Where otherwise the tiresome topic of ironing, often on the road not possible – now comes your anti-crease laundry spray to the rescue.

Content

- Overview
- Applications
- Technical Information
- Typical Properties
- Product Use Suggestions
- Performance Demonstration
- Formulary

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**

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

Product Use Suggestions

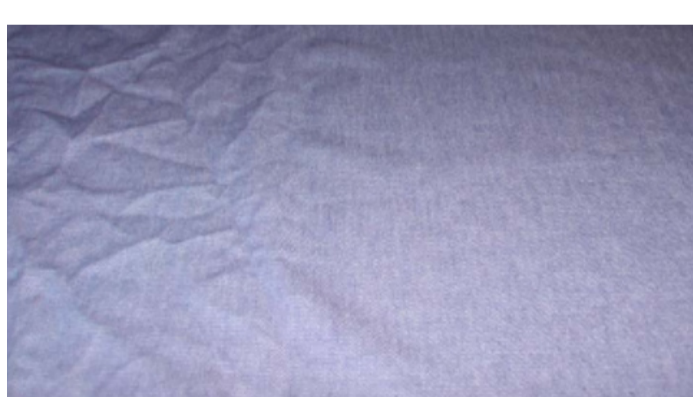
The Flexistat WR-152 formula relaxes fibers to help release wrinkles. Simply apply as a convenient spray to remove fabric wrinkles in seconds, and add a fragrance as a fabric freshener. Spray Flexistat WR-152 solutions on wrinkled garments or fabrics in a sweeping motion until lightly damp, but not wet. 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-spray.
When including a fragrance, pre-blend the fragrance into the WR-152 concentrate prior to diluting.

Imprint

HARKE Chemicals GmbH
Xantener Str. 1
45479 Mülheim an der Ruhr
Germany
Managing Directors:
Jens Prinssen
Yuvaraj Govinda Pillai

Picture credits

©iStockphoto / Artist's name: ClaudioValdes