

Technical Information

Luviskol® K 17 Powder

PRD 30035084

Valid since 17.08.2018
Revision 1.1

Page 1 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals**Polyvinylpyrrolidone for use in cosmetic applications****INCI name(s)**

PVP

Chemical description

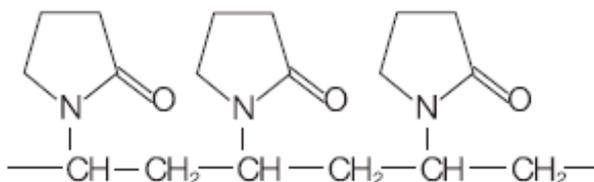
Homopolymer of vinylpyrrolidone

Physical form:

White powder

Molecular weight

111.14 g/mol

Structural Formula**CASR-No.**

646054-45-7

Ingredient

Polyvinylpyrrolidone

Characteristic values

The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the product.

Quality control data

(Data which is used for quality release and is certified for each batch.)

Test property

k value (5 % in water)

Solids (60 min., 140 °C, vacuum)

pH value (10 % in water)

Vinylpyrrolidone (HPLC)

Specification

15.0 - 19.0

95.0 - 100.0 %

3.0 - 7.0

max. 100 ppm

Specific methods used for batch release see Certificate of Analysis.



We create chemistry

Technical Information

Luviskol® K 17 Powder

PRD 30035084

Valid since 17.08.2018
Revision 1.1

Page 2 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Storage information

Shelf life

36 months

Storage temperature

Between + 5 °C and + 30 °C

Storage conditions

In original sealed containers and protected from moisture

Stabilising additives / Auxiliaries

Preservatives

not present

Antioxidants

not present

Solvents

not present

Others

not present

General information

Raw material basis

Synthetic: (mineral oil / natural gas)

Composition hints for finished product label

INCI Components

INCI Name (US/EU/CN)
PVP

Content
95 - 100 %

Water Content

Content
0 - 5 %

Technical Information

Luviskol® K 17 Powder

PRD 30035084

Valid since 17.08.2018
Revision 1.1

Page 3 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals**Product properties****Solubility**

Water:	yes
Ethanol:	yes
Isopropanol:	yes

Miscellaneous information**Applications**

Hair styling is the main application for the Luviskol® K grades. In hair gels, particularly wetlook gels, hair mousses, pump sprays, and liquid hair setting preparations they provide normal to strong hold.

The Luviskol® K grades are used in cosmetics for various applications. They are mainly used as film formers, but also as thickeners.

Luviskol® K grades can also be used as thickening agents, emulsifiers, lubricants, and binders. They are particularly suitable for addition to cosmetic products that cleanse, dye or otherwise enhance the appearance of the skin or hair.

In contrast to anionic colloids, the Luviskol® K grades can be combined with cationic substances, e.g. disinfectants or basic dyes.

The Luviskol® K products are nonionic vinylpyrrolidone homopolymers of different molecular weight. The molecular weight determines the setting properties of PVP polymers; the higher the molecular weight, the greater the setting.

The Luviskol® K products are readily soluble in water and are compatible with almost all anionic, cationic, and other non-ionic cosmetic polymers. They are compatible with Carbomer-type thickeners and other crosslinked polyacrylates for gel-type applications. Luviskol® K grades are ideal for use in water-based applications where a high degree of clarity is required in the finished products (e.g. gels).

Example of use

Styling polymer and thickener for hair gels, hair creams, mousses, pump sprays, liquid hair setting preparations.

The Luviskol® K products are not intended for use in pharmaceutical preparations.



We create chemistry

Technical Information

Luviskol® K 17 Powder

PRD 30035084

Valid since 17.08.2018
Revision 1.1

Page 4 of 4

® = registered trademark of BASF in many countries ™ = Trademark of BASF

Care Chemicals

Intended for use as cosmetic ingredient

Disclaimer

This document, or any answers or information provided herein by BASF, does not constitute a legally binding obligation of BASF. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.