



Professionalism creates quality

Details determine success



[www.wfyjg.com](http://www.wfyjg.com)

**Zhejiang Weifeng New Materials Co., Ltd**

Professional Developer & Manufacturer of Textile Auxiliaries

## ZHEJIANG WEIFENG NEW MATERIALS CO., LTD

Contact: Robbie Yao +86 15257014169 Jennifer Yu +86 13588403789

Tel: 0570-4356000

English Website: [www.wfchemistry.com](http://www.wfchemistry.com)

Address: No.: 1, Ba' er Rd, Jiangdong District, Jiangshan Economic  
Development Zone, Quzhou, Zhejiang, China



**Chemical**

ZHEJIANG•JIANGSHAN



## | COMPANY INTRODUCTION

*Zhejiang Weifeng New Materials Co., Ltd. is located at No. 1, Xingong Ba'er Road, Jiangdong Industrial Park (provincial chemical park), Jiangshan City, Zhejiang Province. It is a chemical enterprise specializing in the production and sales of environment-friendly textile printing and dyeing auxiliaries and new silicone materials. The company has passed the national high-tech enterprise certification, ISO9001 quality system certification, and ZDHC-3 level certification. Products are mainly sold to East China, South China, South Asia, Europe and the United States and other regions.*

# Product List



>>Silicone Softener

>>Pre-treatment Agent

>>Water Repellent Agent

>>Non Silicone

>>Hydrogen Terminated Silicone Oil with Low Cyclic Content

>>Epoxy Terminated Silicone Oil with Low Cyclic Content

>>Polyether-Epoxy Terminated Silicone Oil with Low Cyclic Content



ZHEJIANG WEIFENG NEW MATERIALS CO., LTD.



Enjoyment Of One Stop  
Service Without Boundaries



## Silicone Softener

| Product                                   | Product code | Solid content | Performance                                                                                                                                                                                                    |
|-------------------------------------------|--------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Soft, smooth and hydrophilic silicone oil | WF-8905      | 46-48%        | Feel style fluffy, fine and smooth; Good hydrophilicity; Almost no yellowing or color change, suitable for hand feel finishing of white fabrics                                                                |
| Ice-feel silicone oil                     | WF-8497N     | 60-62%        | Soft, smooth to the touch, with a distinct cool silky feel, good hydrophilicity, good thermal stability, shear resistance, suitable for use in vats, for pure cotton, cotton stretch fabric, mercerized cotton |
| Smoothing finishing agent                 | WF-8101N     | 63-65%        | It gives fabric a smooth style that is durable and washable. Used for a variety of products such as chiffon, linen, Bali yarn, etc                                                                             |
| Fine finishing agent                      | WF-8713T     | 68-71%        | Give a variety of fibre fabrics a super smooth, soft and full finishing feel style. For polyester-nylon jacquard, blended jacquard, nylon, acrylic, polyester, cotton and all kinds of wool fabrics            |
| A master's hydrophilic finishing agent    | WF-8204N     | 81-84%        | Gives fabrics a soft, smooth, silky finishing effect, suitable for soft hydrophilic finishing of cotton, rayon, polyester-cotton and their blends                                                              |

Silicone Softener

| Product                                                 | Product code | Solid content | Performance                                                                                                                                                                                                                  |
|---------------------------------------------------------|--------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cotton Soft and smooth hydrophilic silicone oil         | WF-6513N     | 79-81%        | Gives fabrics a soft, smooth, silky finishing effect for soft, smooth and hydrophilic finishing of cotton, rayon and tencel fabrics                                                                                          |
| Cotton and polyester universal hydrophilic silicone oil | WF-6507N     | 58-62%        | It can provide a soft, smooth and silk-like finishing effect to the fabric. It has good hydrophilic properties. It is suitable for the soft and hydrophilic finishing of cotton, rayon, polyester and their blended fabrics. |
| Amino silicone oil                                      | WF-8408N     | 99%           | It gives fabrics a long-lasting, washable, smooth and bouncy style, and is used in various synthetic and blended fabrics to enhance the smoothness, bouncy and hand feel                                                     |
| Amino silicone oil                                      | WF-8307N     | 99%           | It gives fabrics a long-lasting, washable, smooth and bouncy style, and is used in various synthetic and blended fabrics to enhance the smoothness, bouncy and hand feel                                                     |
| Fluffy Amino Silicone Oil                               | WF-8406N     | 99%           | Enables the fabric to maintain a long-lasting fluffy and resilient appearance, suitable for various fiber fabrics for post-treatment to enhance fluffiness, softness and elasticity.                                         |

Silicone Softener

| Product                      | Product code | Solid content | Performance                                                                                                                                                                                                                |
|------------------------------|--------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extra fluffy finishing agent | WF-8208T     | 76-80%        | It causes the voids of the fibers to expand for an extra fluffy effect, used for fluffy finishing of cotton, polyester-cotton blends, polyester-nitrile and polyester fabrics                                              |
| Soft and fine silicone oil   | WF-8212N     | 59.5-61.5%    | It gives a fluffy, fine and crisp feel style to various fibre fabrics, suitable for polyester-nylon jacquard, blended jacquard, nylon, acrylic, polyester, cotton and various fleece fabrics.                              |
| Softening finishing agent    | WF-8211T     | 76-80%        | It gives the fabric a full, smooth hand feel with good elasticity and dry, non-sticky texture. Suitable for full and smooth finishing of cotton, polyester-cotton, polyester and all kinds of plush fabrics.               |
| Smooth silicone oil          | WF-8217N     | 60-65%        | It gives the fabric a full, smooth hand feel with good elasticity and dry, non-sticky texture. It is suitable for full and smooth finishing of cotton, polyester-cotton, rayon, polyester, acrylonitrile and other fabrics |
| Fluffy silicone oil          | WF-8228N     | 60-65%        | The texture is fine and fluffy. Suitable for fluffy finishing of polyester fabrics such as cotton, polyester-cotton, rayon, linen, polyester, nitrile and fleece.                                                          |

| <div>Silicone Softener</div> |              |               |                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------|--------------|---------------|------------------------------------------------------------------------------------------------------------------------------------|
| Product                                                                                                       | Product code | Solid content | Performance                                                                                                                        |
| Soft and smooth silicone oil                                                                                  | WF-8995N     | 60%           | The texture is Soft, fine and smooth with a good degree of slipperiness; it has excellent hydrophilicity.                          |
| Self-emulsifying soft and smooth silicone oil                                                                 | WF-8101T     | 63-65%        | It gives fabric a smooth style that is durable and washable. Used for a variety of products such as chiffon, linen, Bali yarn, etc |



| <div>PRE-TREATMENT AGENT</div> |              |               |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------|--------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                                                                                                           | Product code | Solid content | Performance                                                                                                                                                                                                                                                                                                                                         |
| Highly efficient acidic leveling agent                                                                            | WF-4013D     | 40%           | High-efficiency acid leveling agent for polyamide fiber with acid dyes and gold-containing dyes, due to its low foaming property, is extremely convenient to operate, has moderate slow dyeing and excellent leveling effect, makes nylon fiber dyeing uniform, and is also suitable for color correction and improvement of cross strip treatment. |
| Powerful degreasing agent                                                                                         | WF-4315CA    | 95%           | It has excellent chemical and dispersing capabilities under neutral, weakly acidic and alkaline conditions, and is particularly effective in dispersing chemical fiber oiling agents and other types of substances, which can prevent oiling agents and other substances from adhering to the tank and then staining the fabric surface.            |
| Refining degreasing agent                                                                                         | WF-4316N     | 58-62%        | Low-temperature degreasing for decorative fabrics, dyeing and refining in the same bath for polyester knitted fabrics, and refining and degreasing for cotton and its blends.                                                                                                                                                                       |
| High concentration fixative                                                                                       | WF-4314N     | 49-51%        | For dyeing or printing with reactive dyes for a variety of cotton products to improve color fastness, especially for fabric fixation treatment with high fastness requirements.                                                                                                                                                                     |
| Highly effective soaping agent                                                                                    | WF-4007N     | 46-48%        | It has excellent cleaning, dispersing and suspending effects on unfixed dyes, bases and electrolytes. It has excellent anti-staining effect on fabric white ground. It has a good chelating ability for calcium and magnesium ions and can effectively prevent calcium spots and soap spots that form during soaping.                               |
| High temperature leveling agent                                                                                   | WF-4014N     | 88-90%        | It has the functions of leveling, dispersing, emulsifying and sticking. It is suitable for degreasing and leveling polyester knitted fabrics and cone yarns. Low foaming, readily soluble in water.                                                                                                                                                 |
| Oxidizing desizing agent                                                                                          | WF-4008      | 24-26%        | Overflow, roll dyeing or continuous long turn desizing processes for chemical slurries such as PA, PVA, CMC. Especially suitable for desizing high-density, high-pulp chemical fiber fabrics.                                                                                                                                                       |

Water Repellent Agent

| Product                           | Product code | Solid content | Performance                                                                                                                                                                                                        |
|-----------------------------------|--------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Three-proof finishing agent       | WF-713F      | 34-35%        | Waterproof, oilproof, stain-resistant and durable finishing, suitable for all kinds of fibers and fabrics.                                                                                                         |
| Water repellent                   | WF-7113      | 33-35%        | For general waterproofing of synthetic fibers (polyester, nylon), cotton, polyester-cotton blends, etc. It works well in non-woven fabric filter materials.                                                        |
| Fluorine-free waterproofing agent | WF-7121      | 30-31%        | Fluorine-free waterproofing agent WF-7121 is a superhydrophobic high-molecular acrylic polymer dispersion, suitable for impregnation waterproofing finishing of natural fibers, synthetic fibers and their blends. |
| Waterproofing agent               | WF-711F      | 34-35%        | Economical water repellent products, suitable for single waterproofing of chemical fiber fabrics, blended fabrics, curtain fabrics and composite processed fabrics.                                                |



Non Silicone

| Product         | Product code | Performance                                                                                  |
|-----------------|--------------|----------------------------------------------------------------------------------------------|
| Flakes          | WF-6155      | It is suitable for various denim, washed fabric, woolen sweaters, towels and other textiles. |
| Flakes          | WF-6156      | It is suitable for various denim, washed fabric, woolen sweaters, towels and other textiles. |
| Flakes          | WF-6154      | It is suitable for various denim, washed fabric, woolen sweaters, towels and other textiles. |
| Deepening agent | WF-8105WG    | Red light                                                                                    |
| Deepening agent | WF-8105AG    | Blue, cyan                                                                                   |



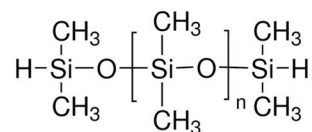


## Hydrogen Terminated Silicone Oil with Low Cyclic Content

| Product | Appearance       | Viscosity<br>mPa · S | Hydrogen Content<br>% | Volatile Matter,<br>% (105°C, 1h) |
|---------|------------------|----------------------|-----------------------|-----------------------------------|
| HD-5K   | Colorless liquid | 95                   | 0.040                 | <0.5                              |
| HD-6K   | Colorless liquid | 120                  | 0.033                 | <0.5                              |
| HD-8K   | Colorless liquid | 200                  | 0.025                 | <0.5                              |
| HD-10K  | Colorless liquid | 320                  | 0.019                 | <0.5                              |
| HD-13K  | Colorless liquid | 480                  | 0.014                 | <0.5                              |
| HD-15K  | Colorless liquid | 600                  | 0.013                 | <0.5                              |
| HD-20K  | Colorless liquid | 900                  | 0.010                 | <0.5                              |

Various special specifications of hydrogen terminated silicone oil can be customized.

### Chemical Structure:



CAS: 70900-21-9

### Features:

Hydrogen terminated silicone oil is a polysiloxane that uses the Si-H bond on its end group to introduce silicon hydrogen bond at the end chain through hydrosilylation. It is the key starting material and important silicone intermediate for the production of silicone modified block or graft copolymer.

### Package and Storage:

New 1000L IBC drum, with net weight of 950Kg. This product should be stored in a ventilated, cool, and dry environment. Do not contact with harmful substances such as acids and alkalis. From the date of production, the storage period is one year.



0570-4356000  
专业铸就品质  
Professional achievement quality

Contact: Robbie Yao +86 15257014169      Jennifer Yu +86 13588403789  
English Website: [www.wfchemistry.com](http://www.wfchemistry.com)  
Address: No.: 1, Ba'er Rd, Jiangdong District, Jiangshan Economic Development Zone, Quzhou, Zhejiang, China



## Epoxy Terminated Silicone Oil with Low Cyclic Content

| Product | Appearance         | Viscosity<br>mPa · S | Epoxy Value<br>mmol/g | Volatile Matter, % |
|---------|--------------------|----------------------|-----------------------|--------------------|
| HDY-6K  | Transparent liquid | 140                  | 0.30-0.36             | <2.0               |
| HDY-8K  | Transparent liquid | 250                  | 0.22-0.29             | <2.0               |
| HDY-10K | Transparent liquid | 340                  | 0.17-0.21             | <2.0               |
| HDY-13K | Transparent liquid | 520                  | 0.15-0.17             | <2.0               |
| HDY-15K | Transparent liquid | 650                  | 0.12-0.15             | <2.0               |

Molecular weight can be customized according to customers' requirements.

### Features:

1. Epoxy terminal has high activity, uniform molecular weight distribution and stable viscosity.
2. Molecular weight 8000-15000, specific specifications and volatile matter can be customized according to customers.
3. Colorless, non-toxic, no pungent smell, good stability.

### Usage:

1. Starting materials for the synthesis of various silicone block silicone oils.
2. Silicone is the main intermediate of textile fabric finishing agent.
3. It is widely used as resin crosslinking agent, which can adjust resin strength, soft type and resin reactivity.
4. Epoxy polysiloxane is widely used in construction to enhance the film-forming property of substrate strength and fastness, and has good waterproof function.



0570-4356000  
专业铸就品质  
Professional achievement quality

Contact: Robbie Yao +86 15257014169      Jennifer Yu +86 13588403789  
English Website: [www.wfchemistry.com](http://www.wfchemistry.com)  
Address: No.: 1, Ba'er Rd, Jiangdong District, Jiangshan Economic Development Zone, Quzhou, Zhejiang, China



Polyether-Epoxy Terminated Silicone Oil  
with Low Cyclic Content

| Product | Viscosity<br>mPa · S | Epoxy Value<br>mmol/g | Usage                                                    |
|---------|----------------------|-----------------------|----------------------------------------------------------|
| JML-8C  | 800                  | 0.22-0.26             | Synthesis of fluffy and hydrophilic silicone oil         |
| JML-9A  | 900                  | 0.20-0.24             | Synthesis of soft and hydrophilic silicone oil           |
| JML-14A | 1200                 | 0.12-0.16             | Synthesis of soft and super smooth silicone oil          |
| JML-22B | 3400                 | 0.08-0.10             | Synthesis of special lubricating silicone oil for cotton |

Molecular weight can be customized according to customers’ requirements.

Features:

1. Organosilicon, polyether, polyester, amide and other groups have been organically copolymerized together. Block silicone oils with various hand feel styles can be synthesized by using multicomponent copolymerized epoxy silicone oils with different molecular weights.
2. In the process of synthesizing block silicone oil, only organic amine can be added to polymerize into a new type of block silicone oil, which has good stability and good hand feel.
3. In the synthesis process, the reaction activity is high and the reaction is complete, the amount of organic solvent is greatly reduced, the risk in the production process and transportation is reduced, and the reaction produces uniform and transparent high-content block silicone oil, which has more stable quality and environmental protection.
4. The product modified by quaternization has better hydrophilicity and stability than ordinary quaternary ammonium salt modified silicone oil.

Usage:

1. Starting materials for the synthesis of various silicone block silicone oils.
2. It is the main intermediate of textile fabric finishing agent.
3. In the water-soluble epoxy resin system, improve the flexibility of the resin and reduce the internal stress.
- 4.Polyether epoxy silicone oil with low ring content can be customized, which meets European standards and provides more choices.



0570-4356000  
专业铸就品质  
Professional achievement quality

Contact: Robbie Yao +86 15257014169      Jennifer Yu +86 13588403789  
English Website: [www.wfchemistry.com](http://www.wfchemistry.com)  
Address: No.: 1, Ba’er Rd, Jiangdong District, Jiangshan Economic Development Zone, Quzhou, Zhejiang, China

Zhejiang Weifeng New Materials Co., Ltd.

Company Target

>>A leader in new organic silicon materials.

Company Mission

>>Research and production of efficient, environmentally friendly, and energy-efficient organic silicon new materials.

Company Responsibility

- >> Ensuring safety and protecting the environment.
- Respect contracts and keep promises.
- Strong quality and image building.

COMPANY CERTIFICATION

