



JIANGXI HITO SILICONE MATERIALS CO.,LTD

No 6 Tianhong road,Xinghuo

industry zone,Yongxiu,

Jiujiang,Jiangxi province,China

(86)792-3170326(Tel) (86) 792-3170355 (Fax)

## Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated

### DESCRIPTION

Under the action of metal salt catalysts,Mixed Hydrogen silicone oil Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated can cross-link on the surface of various substrates at low temperatures to form a waterproof film.It can be used as a water repellent for fabric, glass, ceramic, paper, leather, metal, cement, marble and other materials,especially for fabric.Shared with methyl hydroxyl silicone oil emulsion, it can be waterproof while maintaining the breathability of fabric, improve the tear strength, friction strength and antifouling properties of fabrics, and improve the feel and stitching performance of fabric.Besides that,Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated can be as a kind of paper agent of anti-stick release and cross-linking.Mixed Hydrogen silicone oil contains highly active Si-H bonds and is the basic raw material for the synthesis of modified silicone oil, such as polyether-modified silicone oil and alkyl-modified silicone oil.

### TYPICAL PROPERTIES

| Model        | Appearance                      | Viscosity<br>(25℃),mm <sup>2</sup> /s | H% (wt)   | Volatile content<br>(150℃, 3h) ,% |
|--------------|---------------------------------|---------------------------------------|-----------|-----------------------------------|
| DTH-008t-120 | colorless transparent<br>liquid | 70-150                                | 0.07-0.09 | ≤1.0                              |
| DTH-010t-100 | colorless transparent<br>liquid | 70-120                                | 0.09-0.11 | ≤1.0                              |
| DTH-015t-100 | colorless transparent<br>liquid | 80-120                                | 0.13-0.17 | ≤1.0                              |
| DTH-028t-100 | colorless transparent<br>liquid | 80-120                                | 0.26-0.30 | ≤1.0                              |
| DTH-040t-40  | colorless transparent<br>liquid | 30-50                                 | 0.38-0.42 | ≤3.0                              |
| DTH-050t-120 | colorless transparent<br>liquid | 100-150                               | 0.48-0.52 | ≤1.0                              |

|   |                              |       |           |      |
|---|------------------------------|-------|-----------|------|
| DTH-075t-50   | colorless transparent liquid | 30-70 | 0.73-0.77 | ≤3.0 |
| DTH-100t-40   | colorless transparent liquid | 30-50 | 0.97-1.03 | ≤3.0 |
| For more specifications, please email us for details. |                              |       |           |      |

### **USES AND APPLICATION**

Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated is the basic raw material for the synthesis of modified silicone oil, and it is also a cross-linking agent for addition-type silicone rubber.

### **SAFETY**

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

### **STORAGE AND SHELF LIFE**

After sealing packaging products stored in a cool, dry place, Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated (Unbroken package) has a shelf life of 12 months from date of manufacture. After the expiration date, we can retest it, and if it meets the requirement, we can still use it. Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated is transported as a non-hazardous chemical.

### **PACKAGING**

Methylhydrosiloxane-Dimethylsiloxane Copolymer Hydride Terminated is available in 200 kg/1000 kg plastic drum.

### **LEGAL DISCLAIMER**

Hito chemical believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Hito Chemical, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.



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