



Mobiltherm™ 43

Mobil Industrial , United States

Premium Heat Transfer Oil

Product Description

Mobiltherm 43 is a formulated paraffinic type fluid designed for closed heat transfer systems operating at higher bulk temperatures including demanding open systems. It has a high specific heat and thermal conductivity to provide more rapid heating and greater flexibility in a system.

Features and Benefits

When used as recommended, Mobiltherm 43 will provide the following benefits and advantages:

- Resistant to thermal cracking - performs well up to 315.5C(600F)
- Excellent Oxidation Stability - Minimizes sludge and acid formation, extends product life
- Low Temperature Performance - Permits easy cold weather starting in temperatures down to -6.7C(20F)
- High Heating Efficiency - High specific heat and thermal conductivity help keep fuel costs down
- Low Volatility - Reduces potential for pump cavitation

Applications

Mobiltherm 43 is recommended for the following applications:

- Asphalt and cold tar storage, transport and compounding
- Dyes, chemicals and pharmaceuticals manufacture
- Lumber drying
- Paper and paperboard production
- Petroleum products processing
- Plywood laminating
- Rubber and plastics molding, extrusion, curing, and calendering
- Sheet metal laminating
- Solar energy heat transfer and storage
- Textiles (hot calendering)
- Tiles, linoleum, and roofing products
- Varnish and resins manufacture

Properties and Specifications

| Property | |
|--|----------|
| ASTM Color, ASTM D1500 | 0.5 |
| Autoignition Temperature, °C, ASTM E659 | 354(670) |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 198(390) |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 5.1 |

| Property | |
|---|---------|
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 30.6 |
| Pour Point, °C, ASTM D97 | -12(10) |
| Density @ 15 C, kg/l, ASTM D1298 | 0.8772 |

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Exxon Mobil Corporation

22777 Springwoods Village Parkway

Spring TX 77389

1-800-ASK MOBIL (275-6624)

Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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