Product Data Sheet

**Tomoil™ Heat Transfer Oil 46**

Heat Transfer oil

**Product description**

Tomoil™ Heat Transfer Oil 46: Manufactured using German technology, this superior heat transfer liquid is tailored for enclosed indirect heating systems. Composed of highly refined base stocks, it ensures unmatched resistance to thermal cracking and splendid oxidation stability.

**Application**

**Features & Benefits**

• Ensures reliable operation at high temperatures thanks to its exceptional thermal stability.  
• Prolongs service life through its strong oxidation resistance.  
• Sustains heat transfer conductivity, optimizing system efficiency.  
• Exhibits remarkable endurance at elevated temperatures, without leaving any residue.  
• Facilitates smooth operation at low temperatures.  
• Delivers outstanding corrosion protection for systems.

**Typical Properties**

|  |  |  |  |
| --- | --- | --- | --- |
| **Property** | **Unit** | **Test method** | **Typical value** |
| ISO viscosity grade | - | - |  |
| Density at 15°C | g/cm3 | ASTM D4052 |  |
| Kinematic Viscosity at 40°C | mm2/s | ASTM D445 |  |
| Kinematic Viscosity at 100°C | mm2/s | ASTM D445 |  |
| Viscosity Index | - | ASTM D2270 |  |
| Acid number | mg KOH /g | ASTM D974 |  |
| Flash Point (COC) | °C | ASTM D92 |  |
| Pour Point | °C | ASTM D97 |  |

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil™ specifications, variations in these characteristics may occur.

**Health, Safety & Environment**

* **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.tomoil.de](http://www.tomoil.de)

* **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

**Available pack sizes**

* 1 L Canister plastic
* 4 L Canister plastic
* 5 L Canister plastic
* 7 L Canister plastic
* 20 L Canister plastic
* 30 L Canister plastic
* 200 L Drum sheet metal
* 1000 L Container

**Storage**

* We recommend to store all packages under cover.
* Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
* Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

**Notes**

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