Product Data Sheet

**Tomoil™ Quench Oil 46**

Quench oil

**Product description**

Tomoil™ Quench Oil 46, expertly engineered with German technology and expertise, emerges as a superior quenching fluid meticulously formulated for the heat treatment of ferrous metals spanning diverse quenching processes. Its design aims to promote profound and consistent hardening, effectively mitigating distortion and cracking concerns while ensuring a polished surface finish.

**Application**

**Features & Benefits**

• Outstanding oxidative stability  
• Robust rust and corrosion protection  
• Elevated viscosity index  
• Minimal cavitation tendency  
• Exceptional thermal stability  
• High demulsification properties

**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 |  |
| Flash Point (COC) | °C | ASTM D92 |  |
| Pour Point | °C | ASTM D97 |  |
| Maximum Cooling Rate | °C/s | ASTM D6200 |  |
| Temperature at Max. Cooling Rate | °C |  |
| Time to reach 600°C | sec |  |
| Time to reach 400°C | sec |  |
| Time to reach 200°C | sec |  |

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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