Product Data Sheet

**Aminol™ Quench Oil 46**

Quench oil

**Product description**

Aminol Quench Oil 46 is a high-quality quenching fluid designed for the heat treatment of ferrous metals across various quenching processes. Crafted to facilitate deep and uniform hardening, this oil minimizes distortion and cracking, ensuring a smooth surface finish.

**Application**

Aminol Quench Oil 46 is recommended for all normal quenching operations on a wide variety of steel. It can be used in quenching of a variety of high speed tool steel and ball Bearings, Nut, bolts, Bright bars, Tools, Automotive components and industrial components.

**Features & Benefits**

* Controlled cooling rate to minimize cracking and distortion
* Achieves a good surface finish
* Demonstrates excellent oxidation resistance and thermal stability
* Possesses a high flash point for enhanced fire safety

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| ISO viscosity grade | - | - | 46 |
| Density at 20°C | g/cm3 | ASTM D4052 | 0.875 |
| Kinematic Viscosity at 40°C | cst | ASTM D445 | 46.00 |
| Viscosity Index | - | ASTM D2270 | 98 |
| Flash Point (COC) | °C | ASTM D92 | 226 |
| Pour Point | °C | ASTM D97 | -15 |

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

**Performance claims**

* ISO 3448 VG 46
* ISO 6743/14 L-UHA/UHB

**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.aminol.az](http://www.aminol.az)

* **Protect the Environment**

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

**Available pack sizes**

* 20 L Canister plastic
* 200 L Drum sheet metal

**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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