

# Product Data Sheet

## Tomoil™ Slideway Oil 100

Slideway oil

### Product description

Tomoil™ Slideway Oil 100 represents a precisely engineered lubricant, incorporating German technology to cater to the lubrication needs of machine tool slides, tables, and feed systems. Crafted from high-quality base oils and distinctive additives, it displays exceptional adhesive and friction characteristics, skillfully averting stick-slip phenomena and facilitating smooth motion.

### Application

Tomoil™ Slideway Oil 100 is suitable for slideways, tables, carriages, guides and all machining center applications where a tacky extreme pressure lubricant is required. It may also be used for the lubrication of headstocks, cross feeds, saddles and gearboxes.

### Features & Benefits

- Superior oxidation stability
- Exceptional adhesiveness
- High load carrying capacity
- Excellent demulsification
- Controlled frictional characteristics
- Long term rust and corrosion protection
- Multi-material capabilities

### Typical Properties

| Property                                 | Unit               | Test method | Typical value |
|------------------------------------------|--------------------|-------------|---------------|
| ISO viscosity grade                      | -                  | -           | 100           |
| Density at 15°C                          | g/cm <sup>3</sup>  | ASTM D4052  | 0.893         |
| Kinematic Viscosity at 40°C              | cst                | ASTM D445   | 100.0         |
| Kinematic Viscosity at 100°C             | mm <sup>2</sup> /s | ASTM D445   | 11.25         |
| Viscosity Index                          | -                  | ASTM D2270  | 98            |
| Flash Point (COC)                        | °C                 | ASTM D92    | 244           |
| Pour Point                               | °C                 | ASTM D97    | -15           |
| Copper Corrosion, 3h, 100°C              | -                  | ASTM D 130  | 1b            |
| Rust Preventive in the presence in water | -                  | ASTM D 665  | pass          |
| Water separability -time to 3ml emulsion | -                  | ASTM D 7451 | 30            |

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

### Performance claims

- DIN 51502 CGLP
- DIN 51517-3 (CLP)
- ISO 19378 GA & GB
- ISO 11158 HG
- SO 6743-4 (L-HG)
- ISO 6743-13 (L-GA/ L-GB)

### 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

- 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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