



## APPLICATIONS

**Eni Tilia 46** is a “food grade” high performance hydraulic and multipurpose fluid developed to meet the stringent requirements of food and pharmaceutical industries.

It is recommended for the lubrication of hydraulic systems and of pneumatic systems.

**Eni Tilia 46** is based on a careful blend of white pharmaceutical oil and antiwear, anticorrosive and antioxidant additives.

It is formulated exclusively with additives listed in the FDA Group 21 CFR 178.3570 and it is free of: genetically modified materials, animal derived materials, main allergens substances like nut oils, soya oils and dairy industry derivatives.

## CUSTOMER ADVANTAGES

- Meets the requirements of the HACCP (Hazard Analysis and Critical Control Point) System thanks to NSF H1 (incidental contact with food) registration
- Ensures long drain intervals thanks to good thermal-oxidative stability
- Ensures effective protection and efficiency of all moving parts of hydraulic circuits thanks to robust antiwear additive system
- Prolongs lubricated component life thanks to excellent antirust and anticorrosion properties
- Compatible with the elastomers normally used in food machinery lubrication systems
- Suitable for applications operating in a wide range temperature thanks to high viscosity index

## SPECIFICATIONS - APPROVALS

- NSF H1 - n° 151321
- ISO 11158 HV
- DIN 51524-3 HVLP
- Kosher
- Halal





## CHARACTERISTICS

| Properties        | Method      | Unit               | Typical |
|-------------------|-------------|--------------------|---------|
| Appearance        | -           | -                  | clear   |
| Density at 15°C   | ASTM D 1298 | kg/m <sup>3</sup>  | 860     |
| Viscosity at 40°C | ASTM D 445  | mm <sup>2</sup> /s | 46      |
| Viscosity Index   | ASTM D 2270 | -                  | 176     |
| Flash point       | ASTM D 93   | °C                 | 210     |
| Pour point        | ASTM D 97   | °C                 | -10     |
| Copper corrosion  | ASTM D 130  | -                  | 1a      |
| 4 Balls wear      | ASTM D 4172 | mm                 | 0.4     |

## WARNINGS

- **Eni Tilia 46** should be stored from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0°C and +40°C.

