



Product Data

## Optileb™ GR UF Range

Food Grade Grease

### Description

Castrol Optileb™ GR UF Range (Previously called Obeen™ UF ) - are light, natural-colored special greases. They are physiologically safe and contain only components which are NSF H1 registered and comply with the U.S. Code of Federal Regulations, Title 21, Section 178.3570 and 178.3620 by the Food and Drug Administration (USA) as lubricants where incidental food contact may occur. The range of products under Optileb GR range are Kosher and Halal approved.

### Application

Optileb GR UF is especially suited for the use in the food and beverage industries as well as in the pharmaceutical industry where there may be exposure of the lubricated part to the edible product or its packaging.

Optileb GR UF 00 for grease-lubricated gears and gear motors - central lubrication systems such as in filling plants, packaging stations and cardboard folding machines.

Optileb GR UF 1 as tap, sealing and bearing grease, for long term lubrication of rolling and sliding bearings, for fillers, bottle washing machines, labelling machines, closing machines, filling machines, conches, cyclones.

### Advantages

- Physiologically safe.
- Odorless and tasteless
- Resistant to hot and cold water.
- Excellent conveying ability.
- Good anti-corrosion properties.
- Resists water wash out.

## Typical Characteristics

| Name                                   | Method               | Units  | GR UF 00             | GR UF 1              |
|--|----------------------|--------|----------------------|----------------------|
| Colour                                 | Visual               | -      | Whitish, Transparent | Whitish, Transparent |
| Consistency/NLGI Grade                 | DIN 51818            | -      | 00                   | 1                    |
| Base Oil                               | -                    | -      | Synthetic Oil        | Synthetic Oil        |
| Thickener Type                         | -                    | -      | Aluminum Complex     | Aluminum Complex     |
| Worked Penetration (60 strokes)        | ASTM D 217/ISO 2137  | 0.1 mm | 415                  | 325                  |
| Dropping Point                         | ASTM D566/ISO 2176   | °C/°F  | 195/381              | >230/446             |
| Water Resistance at 90 °C/194 °F       | DIN 51807-1          | Rating | -                    | 0                    |
| Rust test - Emcor - distilled water    | ASTM D6138/ISO 11007 | Rating | 0/1                  | 0/1                  |
| Copper corrosion (24 h @100 °C/212 °F) | ASTM D130/ISO 2160   | Rating | 1b                   | 1b                   |

These technical data are based on average test results. Minor deviations may occur from case to case.

## User Advice

- Please observe the machine manufacturers' lubrication specifications.
- Temperature application range:
  - Optileb GR UF 00: -40 °C/-40 °F to +140 °C/+284 °F
  - Optileb GR UF 1: -30 °C/-22 °F to +140 °C/+284 °F

**This product was previously called Obeen UF. The name was changed in 2015.**

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