



## Castrol Obeen UF Range

Food Grade Grease

### Description

Castrol Obeen™ UF - are light, natural-colored special greases. They are physiologically safe and contain only components which are listed in the U.S. Code of Federal Regulations, Title 21, Section 178.3570.

Castrol Obeen UF greases are especially suited for use in the food, beverage and pharmaceutical industries. Castrol Obeen UF Series Greases are acceptable to the USDA as lubricants where incidental food contact may occur.

### Application

Castrol Obeen 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. Castrol Obeen UF 000 for central lubrication systems - filling plants of yoghurt, instant food and cheese processing machines (e.g. turning machines). Obeen UF 00 and 0 for grease-lubricated gears and gear motors - central lubrication systems such as in filling plants, packaging stations and cardboard folding machines.

Obeen UF 1, 2 and 3 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. Obeen UF 2 guarantees mobility of taps. Obeen UF 3 withstands steam cleaning and is especially suited for the beverage industry where pipes are cleaned or sterilised with steam and is available in aerosol cans.

USDA H1 / NSF Approved certificate no. 134140.

### Advantages

- OPTITEC® - Castrol technology.
- Physiologically safe.
- Odorless, tasteless and colorless.
- Resistant to hot and cold water.
- Does not affect foam on beer.
- Excellent conveying ability.
- Good anti-corrosion properties.
- Resists water wash out.

### Typical Characteristics

| Name        | Method | Units | UF 000                                 | UF 00                                  | UF 0                                   | UF 1                                   | UF 2                                   | UF 3                                   |
|-------------|--------|-------|--|--|--|--|--|--|
| Article No. | -      | -     | 08248                                  | 08246                                  | 08240                                  | 08254                                  | 08238                                  | 08252                                  |
| Colour      | Visual | -     | Amber,<br>Transparent                  | Amber,<br>Transparent                  | Amber,<br>Transparent                  | Amber,<br>Transparent                  | Amber,<br>Transparent                  | Amber,<br>Transparent                  |
| Base        | -      | -     | Aluminum<br>Complex /<br>Synthetic Oil | Aluminum<br>Complex /<br>Synthetic Oil | Aluminum<br>Complex /<br>Synthetic Oil | Aluminum<br>Complex /<br>Synthetic Oil | Aluminum<br>Complex /<br>Synthetic Oil | Aluminum<br>Complex /<br>Synthetic Oil |

| Name   | Method        | Units   | UF 000    | UF 00       | UF 0      | UF 1      | UF 2      | UF 3      |
|--|---------------|---------|-----------|-------------|-----------|-----------|-----------|-----------|
| Consistency / NLGI Grade                     | DIN 51818     | -       | 000       | 00          | 0         | 1         | 2         | 3         |
| Worked Penetration                           | DIN ISO 2137  | 0.1 mm  | 460       | 420         | 370       | 320       | 280       | 240       |
| Dropping Point                               | DIN 51807 T.1 | °C / °F | 170 / 388 | 195 / 381.2 | 215 / 419 | 225 / 437 | 230 / 446 | 235 / 455 |
| Water Resistance at 90°C / 194F              | DIN 51802     | -       | 0         | 0           | 0         | 0         | 0         | 0         |
| Corrosion Protection (SKF Emcor)             | DIN 51802     | -       | 0/1       | 0/1         | 0/1       | 0/1       | 0/1       | 0/1       |
| Copper Corrosion Protection at 100°C / 212°F | DIN 51811     | -       | 1b        | 1b          | 1b        | 1b        | 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:
  - **Castrol Obeen UF 000, 00, 0:** -40°C/-40°F to +140°C/+284°F
  - **Castrol Obeen UF 1, 2, 3:** -30°C/-22°F to +140°C +284°F

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