



## Optileb™ CH Range

Fully synthetic chain lubricants, physiologically safe, NSF H1 authorized

### Description

Castrol Optileb™ CH (previously named Viscoleb™) are chain lubricants especially developed to meet the requirements of the food and beverage industries. They are water-resistant and have a high load carrying capacity.

Optileb CH are tasteless and odorless oils. Special additives specifically protect from wear and prevent corrosion.

Optileb CH chain lubricants are NSF H1 authorized and therefore suited for applications where a direct exposure of the lubricated part to the edible product is possible due to technical reasons.

### Application

For the special requirements in the food and beverage industries where there may be direct exposure of the lubricated part to the edible product or its packaging

For chains of production, filling and packaging machines.

For slideways, central lubrication systems, spraying systems (product consolidation).

Optileb CH 32 especially for chains in the low-temperature range e.g. in frosters

Temperature application ranges:

Optileb CH 32: - 60°C/- 76°F to + 150°C/+ 302°F

Optileb CH 150: - 30°C/- 22°F to + 200°C/+ 392°F

Optileb CH 280: - 30°C/- 22°F to + 200°C/+ 392°F

Optileb CH 1500: - 20°C/- 4°F to + 200°C/+ 392°F

### Advantages

- Physiologically safe
- NSF H1 authorized
- Tasteless and odorless
- Transparent
- Resistant to water
- Compatible with mineral oil, therefore no prior cleaning of the chains when converting to Optileb CH
- Good penetration
- Excellent adherence
- Optimum corrosion and wear protection

## Typical Characteristics

Name	Method	Unit	CH 32	CH 150	CH 280	CH 1500
Colour	Visual	-	Transparent	Transparent	Transparent	Transparent
Base	-	-	polyalphaolefin	polyalphaolefin	polyalphaolefin	polyalphaolefin
ISO Viscosity Group	DIN 51519	-	32	150	-	1500
Density @ 15°C/59°F	ASTM D4052 / ISO 12185	Kg/m <sup>3</sup>	830	850	850	870
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	31	144	286	1443
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	5.8	18.6	30.6	103
Viscosity Index	ASTM D2270 / ISO 2909	-	128	145	145	158
Pour Point	ASTM D97 / ISO 3016	°C/°F	<-60/<-76	-42/-43.6	-36/-32.8	-24/-11.2
Flash Point	ASTM D92 / ISO 2592	°C/°F	220/428	236/457	232/450	224/435
Copper Corrosion Protection	ASTM D130	-	1a	1a	1a	1a
Steel Corrosion Protection	DIN 51355	-	0	0	0	0

Subject to usual manufacturing tolerances

## Additional Information

- Optileb CH oils are compatible with mineral oil, therefore prior cleaning of the chains is not necessary during conversion.
- However, cleaning of heavily contaminated chains is advisable in order to ensure easy penetration of Optileb CH.
- For application in central lubrication and spraying systems please observe the specified viscosity.
- In spray cans: Optileb CH 32 Spray, Optileb CH 280 Spray, Optileb CH 1500 Spray.

**This product was previously named Viscoleb. The name was changed in 2015**

Optileb™ CH Range  
17 Aug 2015

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom

<http://msdspds.castrol.com>