



## Product Data

# Castrol Optifluid KTL

Fully synthetic, water-emulsifiable chain lubricants for cathodic paint lines

## Description

OPTIFLUID™ KTL are thermally stable synthetic lubricants with an extremely high load carrying capacity. Additives free from solids and silicone form an adhesive, anti-wear lubricating film.

OPTIFLUID™ KTL disperse evenly in water or water-soluble paints. Unlike conventional lubricants OPTIFLUID™ KTL do not affect painted surfaces (no formation of craters, surface waviness, staining or rough surfaces).

## Application

- As chain lubricant for insertion chains in overhead and floor conveyors of cathodic paint lines
- For chains and guide ways of conveyor systems

## Advantages

- OPTITEC™ - CASTROL OPTIMOL technology
- extremely good penetration, adhesion and load carrying capacity
- no odor, non-toxic
- silicone-free
- water-soluble
- compatible with cathodic paint lines
- evenly disperses in water or water-soluble paints
- does not affect painted surfaces
- no craters, surface waviness, staining or rough surfaces
- evaporates at high temperatures with hardly any residue formation
- thermally stable up to + 200°C/+ 392°F

## Typical Characteristics

Test	Method	Unit	Value	
CASTROL OPTIFLUID™ KTL	-	-	100	220
Colour	visual	-	yellowish transparent	
Base	-	-	synthetic oil	
Density at + 15°C/+ 59°F	DIN 51757	kg/m <sup>3</sup>	1052	1054
Kin. viscosity at + 40°C/+ 104°F at + 100°C/+ 212°F mm <sup>2</sup> /s	DIN 51562		114.9 21.1	221 39.6
Viscosity index	DIN ISO 2909	-	210	232
Pour point °C °F	DIN ISO 3016		-36 -32.8	-30 -22
Flash point °C °F	DIN ISO 2592		> 245 > 473	268 514.4

1 mm<sup>2</sup>/s  $\hat{=}$  1 cSt

## Additional Information

- Not miscible with chain oils based on mineral or ester oils.
- Easy and economic application via central lubrication system.
- Due to the different compositions of cathodic paint baths compatibility with the paint must be checked before application.
- In spray can: OPTIFLUID™ W SPRAY for the lubrication of sliding surfaces and ropes

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