



**Castrol South Africa**

## **Technical Data Sheet**

### **CASTROL SYNTILO 26**

#### **DESCRIPTION:**

Castrol Syntilo 26 is biostable, nitrite- and phenol-free synthetic water-soluble solution, possessing excellent anti-corrosion properties. Solution colour is blue/green.

#### **APPLICATION:**

Castrol Syntilo 26 has been specifically formulated for use as a tubemill coolant, where low foam properties and no oil are a prerequisite such as in stainless steel tube mills.

#### **RECOMMENDED DILUTIONS:**

Stainless steel tube mill:           v/v 4% - 6%

**NOTE:** If make-up water is from mains, monitoring of hardness and chlorides is extremely important. As the latter increase it may be necessary to increase the concentration in order to compensate for the above.

Castrol Syntilo 26 offers excellent resistance to all types of corrosion including electrolytic corrosion caused by iron-copper or iron-aluminium combinations.

#### **PRECAUTIONS:**

Store indoors and away from elements such as frost.

#### **BENEFITS/FEATURES:**

- Ensures no costly rejects as a result of corrosion.
- Ensures translucency of product is maintained in continued service.
- Cleaner, safer working environment (improved safety).
- Skin irritation – Castrol Syntilo 26 is formulated from substances having an absolutely minimal effect on the skin.
- Unpleasant Smells – virtually odourless. There is no risk of “Monday morning smell”. Through the long service life of the solution – up to three times that of conventional fluids.
- The long life of the solution means that disposal costs are drastically reduced, machine downtime with consequent loss of production and costly MAN-hours for cleaning can be cut by 60 % or more, and the environment benefits accordingly.
- Forms a fine solution resulting in reduced drag-out and a decrease in product usage.
- Castrol Syntilo 26 is truly biostable. This means that although a certain bacteria population will build up, it rapidly stabilizes at a harmless level. The solution remains sweet, pH levels are steady, and the life expectation of the solution is greatly increased.
- It is particularly suited to those areas with hard water (typically over 200 ppm as CaCO<sub>3</sub>).
- Equally suited to both central and individual systems, ensuring rapid swarf settling properties and complete acceptability and safety in use.
- Designed to reject tramp oil, consequently allowing for easy skimming of tramp oil build-ups.
- Superior Corrosion Inhibitor.
- No mineral oil in make-up formulation.
- Bacterial Infections.

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### PACKAGING:

Castrol Syntilo 26 is available in 210 litre drums and 20 litre pails

### TYPICAL CHARACTERISTICS:

<b>Castrol Syntilo 26</b>	
Product Code No.	71477
<b>Concentrate:</b>	
Density at 20°C	1,073
Thermal Stability - 24 hour at 0°C	Bright & Clear - No Separation
Thermal Stability - 24 hour at 50°C	Slightly hazy - No Separation or Precipitation
Colour	Blue/Green
Appearance	Bright & Clear
Total Alkali (% NaOH)	93
Neutralisation No. (mg KOH/g)	40,0
<b>Solution:</b>	
pH (2% Solution)	8,9
3% Solution Stability - 24 hours	
in 200 ppm Hard Water	Clear - No Scum
in 400 ppm Hard Water	Clear - No Scum
in Tap Water	Clear - No Scum
<b>Defoaming properties:</b>	
in 200 ppm Hard Water	3 seconds
in Tap Water	4 seconds
Corrosion Inhibition (IP 125) 2% in 200 ppm Hard Water	0/0-0 (Pass)

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