



Product Data

Rustilo™ 652

Neat corrosion preventive oil

Description

Castrol Rustilo™ 652 (previously called SafeCoat™ 652) is a general purpose short term inhibited protective oil ideal for use where solvent based products are unacceptable.

Application

Rustilo 652 is especially recommended in cold rolling mills, rod and wire drawing works.

Further Rustilo 652 can be applied as oil based rust preventive additive in cleaning and rust protection processes while using hydrocarbon solvents. In this case concentrations of 10 – 30% added to the cleaning or rinsing stages are recommended.

Due to good deep drawing properties Rustilo 652 is also suitable for the protection of cold rolled vehicle body sheets light forming operations.

Rustilo 652 can also be used as testing liquid for hydraulic equipment as well as leakage testing fluid for gears, pumps and tanks.

Rustilo 652 can be applied by complete immersion, brushing or spraying.

Advantages

- Free of solvent, complies with EC Solvent Directive (1999/13/EC).
- Heavy metals free, (example Barium) which may help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded.
- Easy to apply.
- Contains a corrosion inhibitor package suitable for moderate conditions which provides reliable protection of components.
- Compatible with mineral oil.
- The film does not harden even long after the product has been applied.
- If required protective films of Rustilo 652 can be easily removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

Typical Characteristics

Name	Method	Units	Value
Appearance	Visual	-	Brown fluid
Density @ 15°C	DIN 51 757	g/ml	0.90
Viscosity @ 40°C	DIN 51 562	mm ² /s (cSt)	52
Film Type	-	-	Oily
Film Thickness	-	µm	3 - 5
Corrosion Protection	(*) Indoor Storage	Month	6 - 9
Corrosion Protection	(**) Outdoor Storage	Month	Not recommended
Consumption	Oiling Machines	kg/100m ²	0.12 - 0.15
Consumption	Immersion	kg/100m ²	1.5 - 2.5

Subject to usual manufacturing tolerances.

Additional Information

The claims on film thickness and consumption are average values. These are valid for smooth surfaces with good drain-off characteristics and simple geometries without holes or recesses.

(*) "Indoor storage" describes the storage of ferrous components in closed store-rooms having a relative humidity of 60%. Increased protection times could be achieved when treating finished surfaces or store the parts in a sealed pack.

(**) "Outdoor storage" describes open storage, which assumes primary protection from the elements by tarpaulin or other form of cover.

Influence of temperature may cause some cloudiness, which is reversible and doesn't have an impact on product quality.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

This product was previously called SafeCoat™ 652. The name was changed in 2015.

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