

Rustilo™ DW 300

Dewatering corrosion preventive

Description

Castrol Rustilo™ DW 300 (previously called SafeCoat™ DW 30) is a high quality solvent deposited corrosion preventive with excellent dewatering properties.

The solvent, after evaporation, leaves an ultra-thin greasy protective film.

Application

Rustilo DW 300 rapidly removes water from components subsequent to electroplating processes, after machining using soluble cutting fluids, or parts that have been washed. The very thin residual film provides effective medium term protection against corrosion during intermediate storage or transportation.

Rustilo DW 300 can also be used as a lubricant for mild press working, where corrosion protection without further treatment is required.

Although Rustilo DW 300 can be applied by brushing or spraying, its dewatering action is most effective if the articles to be protected can be immersed in a dip tank.

Advantages

- Good operator acceptance as based on a mild odour de-aromatised hydrocarbon.
- 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.
- Contains a corrosion inhibitor package suitable for moderate conditions which provides reliable protection of components.
- Excellent water displacing and penetrating properties.
- High stability against acidic and alkaline contaminations which enables a long bath-lifetime to help reducing operational cost.
- Effectively suppresses fingerprint corrosion on bright steel and finely finished metal components during manufacture.
- Compatible with mineral oils; is suitable for the protection of hydraulic system parts
- If required, protective films of Rustilo DW 300 can easily be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol

Typical Characteristics

Name	Method	Units	Rustilo DW 300
Appearance	Visual	-	Clear Amber fluid
Density @ 15°C	CN-TM-084	g/ml	0.80 - 0.82
Flash Point, PMCC	CN-TM-037	°C	> 60
Viscosity @ 20°C / 68°F	ASTM D446 / ISO 3105	mm ² /s	2
Film Type	-	-	Ultra-thin, greasy
Total Film Forming Content	Calculated	%	8
Film Thickness	-	µm	0.6 - 1.0
Consumption	-	kg/100 m ²	0.8 - 1.0
Corrosion Protection	(*) Indoor Storage	month	9
Corrosion Protection	(**) Outdoor Storage	month	3
Drying Time	-	min	45

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.

Average drying time is the time until the majority of the solvent is evaporated at ambient temperature and a relative humidity of 60 – 70%. The full corrosion protection will be provided when the solvent is completely evaporated.

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

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.

Product must be used in a liquid form. Influence of temperature may cause some cloudiness, which is reversible and does not have an impact on product quality or corrosion protection performance.

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

This product was previously called SafeCoat DW 30. The name was changed in 2015.

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