



Product Data

Rustilo™ DW 250 HF

Dewatering Corrosion Preventive with Vapour Phase Inhibitor

Description

Castrol Rustilo™ DW 250 HF (previously called SafeCoat™ DW 25) is a solvent deposited, water displacing type premium quality dewatering and corrosion preventive fluid. It is based on a low volatile solvent and additionally contains a vapour-phase corrosion inhibitor (VCI).

The product is formulated from high quality film forming additives that offer a viscous oily protective film by solvent evaporation.

Application

Rustilo DW 250 HF rapidly removes water from components subsequent to electroplating processes, after machining using soluble cutting fluids, or parts that have been washed.

The residual film provides effective medium term protection against corrosion during intermediate storage or transportation on metal parts, such as tubes, cylinder liners, gears, spiral springs, simple hand tools, steel rods, bars, etc.

Although Rustilo DW 250 HF 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 low odour, high flash point de-aromatised solvent.
- 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.
- Economical grade that contains a corrosion inhibitor package suitable for severe industrial conditions which provides reliable protection of components.
- Additional rust prevention through Vapour-Corrosion-Inhibitor. The maximum protection is achieved in hermetically sealed packs.
- Excellent water displacing and penetrating properties which avoids water entrapment and corrosion under film.
- Suppresses fingerprints to protect handled parts from fingerprint corrosion.
- Lubricating properties to ease assembly of parts.
- Film resistant to rough handling.
- If required protective films of Rustilo DW 250 HF can be removed by using a petroleum solvent or alkaline process cleaner, all available from Castrol.

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear, amber fluid
Density @ 30 °C	ASTM D4052	g/ml	0.83
Viscosity @ 40 °C	ASTM D445	mm ² /s	6.5
Flash Point, COC	ASTM D92	°C	95
Film Type	Visual	-	Oily
Film Thickness	In-house	µm	5.5
Corrosion Protection	(*) Indoor Storage	Month	9
	(**) Outdoor Storage	Month	3

Subject to usual manufacturing tolerances.

Additional Information

The claim on film thickness corresponds to an average value. This is 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. Increased protection times could be achieved when treating finished surfaces or store the fully dried 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 25. The name was changed in 2015

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