

Rustilo™ DWX 32

Dewatering corrosion preventive

Description

Castrol Rustilo™ DWX 32 is a powerful solvent deposited corrosion preventive with good dewatering properties. The product, after evaporation of the solvent, leaves a soft greasy protective film.

Application

Rustilo DWX 32 is a medium to long term protective for use in severe conditions where a high degree of protection is required, i.e. in maritime environment. It is ideal for protection of machine tools and components prior to storage or transportation.

The product also shows good water displacing properties.

Although Rustilo DWX 32 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 de-aromatised hydrocarbon.
- Heavy metals free (for example Barium) which may help to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded.
- Contains a powerful corrosion inhibitor package suitable for severe conditions which provides reliable protection of components.
- Good water displacement and penetrating properties which avoids water entrapment and corrosion under film.
- Good stability against acidic and alkaline contaminations which enables a long bath-lifetime to help reduce operational cost.
- Good mechanical film strength and finger print suppressing properties - highly finished work is not damaged by handling which improves component quality.
- If required protective films of Rustilo DWX 32 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, brown fluid
Density @ 15°C	ASTM D4052	g/ml	0.82
Flash Point, PM	ASTM D93	°C	43
Viscosity @ 20°C	ASTM D445	mm ² /s	9.9
Film type	Visual	-	Firm greasy
Total Film Forming Content	Calculated	%	32
Film Thickness	In-house	µm	5
Coverage	In-house	m ² /L	60
Drying Time @ 20°C	In-house	min	120
Corrosion Protection	(*) Indoor Storage	Month	15 - 18
	(**) Outdoor Storage	Month	6 - 9

Subject to usual manufacturing tolerances.

Additional Information

The claims on film thickness and coverage 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 10°C and 30 °C / 50°F and 86°F.

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

Product which has thickened due to low temperature exposure (i.e. below 9°C) can be used if it is stored preferably between 15 - 25°C until liquid. **DO NOT USE ANY FORM OF DIRECT HEATING** (i.e. no naked flames or hot plates)!

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

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