



## Rustilo™ DW 180 X

Dewatering corrosion preventive

### Description

Castrol Rustilo™ DW 180 X is a premium quality, solvent deposited corrosion preventive with excellent dewatering properties.

After evaporation of the solvent, the product leaves a thin oily to greasy protective film.

### Application

Rustilo DW 180 X rapidly removes water from components after electroplating processes, after machining with soluble cutting fluids, or from parts that have been washed. The product can displace water from very intricate assemblies and components.

The very thin residual film provides effective medium term protection against corrosion during intermediate storage or transportation.

Although Rustilo DW 180 X 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 isoparaffin solvent
- Formulated without Barium, which may help fulfil aspects of legislative 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 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
- Compatible with most mineral oils; is suitable for the protection of hydraulic system parts
- Rustilo DW 180 X's protective film can be removed, if required, by using a petroleum solvent or alkaline process cleaner

## Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear to slightly cloudy, brown fluid
Density @ 15 °C	ASTM D4052	g/ml	0.78
Flash Point, PM	ASTM D93	°C	65
Viscosity @ 20 °C	ASTM D445	mm <sup>2</sup> /s	2.5
Film Type	Visual	-	Oily - greasy
Total Film Forming Content	Calculated	%	12
Film Thickness	In-house	µm	1.5
Coverage	In-house	m <sup>2</sup> /L	73
Drying Time @ 20 °C	In-house	min	60 - 75
Corrosion Protection	(*) Indoor Storage	Month	8 - 12
	(**) Outdoor Storage	Month	4 - 6

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 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. Change in temperature may cause some cloudiness, which in most instances does not have an impact on product quality or corrosion protection performance.

For more details, please refer to the Safety Data Sheet for this product.

Rustilo™ DW 180 X

01 Jul 2019

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom

<http://msdspds.castrol.com>